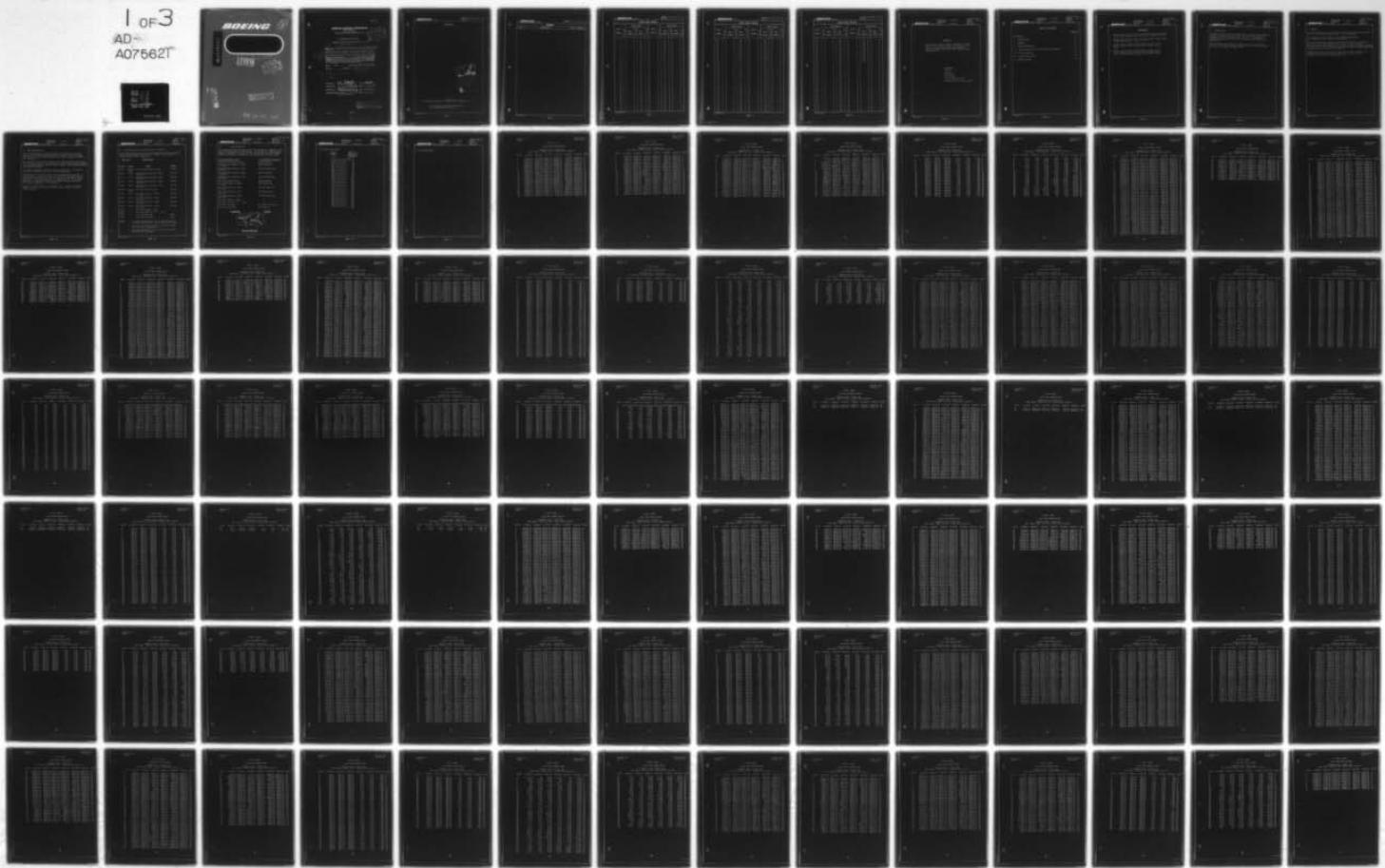


AD-A075 621 BOEING VERTOL CO PHILADELPHIA PA F/G 1/3
CH-46 COMPOSITE ROTOR BLADE FLIGHT STRESS SURVEY DATA, VOLUME X--ETC(U)
1978 R AIELLO, J BENDO N00019-75-C-0396
UNCLASSIFIED D210-11168-3-VOL-12 NL

1 OF 3
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LTR	DESCRIPTION	DATE	APPROVAL

ACTIVE SHEET RECORD											
SHEET NUMBER	REV LTR	ADDED SHEETS				SHEET NUMBER	REV LTR	ADDED SHEETS			
		SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR			SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR
1				31				61			
2				32				62			
3				33				63			
4				34				64			
5				35				65			
6				36				66			
7				37				67			
8				38				68			
9				39				69			
10				40				70			
11				41				71			
12				42				72			
13				43				73			
14				44				74			
15				45				75			
16				46				76			
17				47				77			
18				48				78			
19				49				79			
20				50				80			
21				51				81			
22				52				82			
23				53				83			
24				54				84			
25				55				85			
26				56				86			
27				57				87			
28				58				88			
29				59				89			
30				60				90			

FORM 46283 (7/67)

ACTIVE SHEET RECORD

SHEET NUMBER	REV LTR	ADDED SHEETS				SHEET NUMBER	REV LTR	ADDED SHEETS			
		SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR			SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR
91				121				151			
92				122				152			
93				123				153			
94				124				154			
95				125				155			
96				126				156			
97				127				157			
98				128				158			
99				129				159			
100				130				160			
101				131				161			
102				132				162			
103				133				163			
104				134				164			
105				135				165			
106				136				166			
107				137				167			
108				138				168			
109				139				169			
110				140				170			
111				141				171			
112				142				172			
113				143				173			
114				144				174			
115				145				175			
116				146				176			
117				147				177			
118				148				178			
119				149				179			
120				150				180			

FORM 46269 (7/67)

ACTIVE SHEET RECORD

SHEET NUMBER	REV LTR	ADDED SHEETS				SHEET NUMBER	REV LTR	ADDED SHEETS			
		SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR			SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR
181				211				241			
182				212				242			
183				213				243			
184				214				244			
185				215				245			
186				216				246			
187				217				247			
188				218				248			
189				219				249			
190				220				250			
191				221							
192				222							
193				223							
194				224							
195				225							
196				226							
197				227							
198				228							
199				229							
200				230							
201				231							
202				232							
203				233							
204				234							
205				235							
206				236							
207				237							
208				238							
209				239							
210				240							

FORM 46283 (7-67)



PREPARED BY: J. Bendo
CHECKED BY:
DATE: 8/28/78

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NUMBER Vol. 12
REV LTR
MODEL NO.

ABSTRACT

This report volume presents tabulated forward and aft rotor shaft loads, load factor, pitch and roll attitude and rotor rpm measured during the CH-46 Composite Rotor Blade Flight Stress Survey.

KEYWORDS

CH-46E
Composite
Rotor Blade
Flight Stress Survey
Alternating and Steady Loads

THE **BOEING** COMPANY

PREPARED BY: J. Bendo
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DATE: 8/28/78

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REFERENCES

1. Vertol Report D210-11168-1 "CH-46 Composite Rotor Blade Flight Test Qualification Test Plan" March 30, 1977
2. Vertol Report D210-11168-2 "CH-46 Composite Rotor Blade Flight Test Report" May 15, 1978
3. Boeing Vertol Report D210-11168-3 Volume 1 of 13, CH-46 Composite Rotor Blade Flight Stress Survey Data
4. Boeing Vertol Report D210-11168-3 Volume 8 of 13, CH-46 Composite Rotor Blade Flight Stress Survey Data, Plotted Forward and Aft Rotor Shaft Loads



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1. INTRODUCTION

A flight stress survey was conducted on a CH-46 helicopter with A02R1702 composite rotor blades. The test was conducted in accordance with Paragraphs 4.3.2 and 4.7 of Reference 1. General test description and pilot comments are included in Reference 2.

The test were conducted at the Boeing Vertol Flight Test Facility at Ridley Township, Pennsylvania, during the period of June 1977 through November 1977.



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2. SUMMARY

A flight stress survey and structural demonstration was conducted on the #1 CH-46E Helicopter, BuNo. 153372 (S/N 2268).

The components under test were the A02R1702 composite rotor blades and the A02R1710 blade socket.

This volume contains measured steady and alternating forward and aft rotor shaft loads tabulated by flight and event number. Maximum and minimum forward and aft shaft torque values are included in this grouping. The steady and alternating data is plotted versus true airspeed and can be found in Volume 8.

In addition, this volume contains measured (steady, maximum and minimum) load factor, pitch/roll attitude, and rotor rpm tabulated by flight and event number. ↗

3. DATA PRESENTATION

This volume contains measured steady and alternating forward and aft rotor shaft loads tabulated by flight and event number. The maximum and minimum forward and aft shaft torque values are also presented.

The tabulated load levels represent the maximum alternating load cycle occurring during the particular flight condition. The steady and alternating data is shown plotted versus true airspeed and can be found in Volume 8.

In addition measured (steady, maximum and minimum) load factor pitch/roll attitude, and rotor rpm are tabulated.

Identification and data codes of gage measurements included in this volume and also the order with which the tabulated data is presented can be found in the gage identification table on the next page. This tabulated order is adhered to for all flights. Section 3.3 presents a flight/page number indexing chart for all flights tabulated in this volume.

Detailed flight condition parameters and a complete tabulated summary of maneuvers for each flight can be found in Volume 1 of this report.

3.1 Gage Identification and Tabulation Sequence

Strain gage identification and instrumentation code information for data presented in this volume, as well as the order of tabulated data, are as follows:

<u>DATA CODE</u>	<u>MEASUREMENT</u>		
<u>ACTIVE</u>	<u>SPARE</u>	<u>NAME</u>	<u>UNITS</u>
41200	41210/ 61200	Forward Rotor Shaft Torque	(IN-LB)
41160	61160	Forward Shaft Bending, Upper (0°-180°)	(IN-LB)
41170	61170	Forward Shaft Bending, Upper (90°-270°)	(IN-LB)
41870	61870	Forward Shaft Bending, Lower (0°-180°)	(IN-LB)
41880	61880	Forward Shaft Bending, Lower (90°-270°)	(IN-LB)
49200	69200/ 69210	Aft Rotor Shaft Torque	(IN-LB)
49160	69160	Aft Shaft Bending, Upper (0°-180°)	(IN-LB)
49170	69170	Aft Shaft Bending, Upper (90°-270°)	(IN-LB)
49230	69230	Aft Shaft Bending, Lower (0°-180°)	(IN-LB)
49240	69240	Aft Shaft Bending, Lower (90°-270°)	(IN-LB)
91020	-	A/C Rotor Speed - (RPM)	
14420	-	A/C Load Factor @ C.G. - (G's)	
34020	-	A/C Roll Attitude	(DEG.)
34010	-	A/C Pitch Attitude	(DEG.)

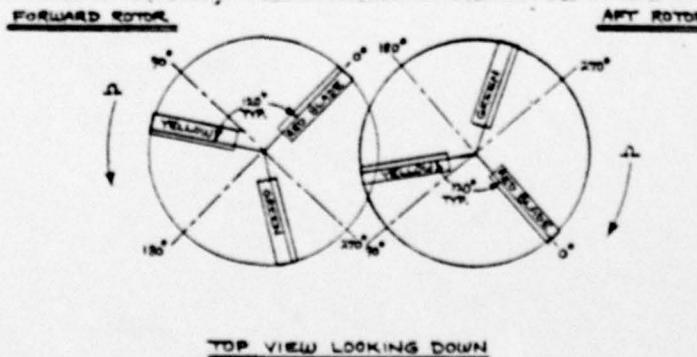
NOTES:

1. A complete description of the instrumentation for this stress survey can be found in Volume 1.
2. A flight by flight summary of operative gages can be found in Reference 2.
3. The spare gages were utilized when the active gages proved inoperable.

3.2 Sign Convention

The following table summarizes the sign convention adhered to for the gages presented in this volume. In addition, a sketch (found below), presents a top view of the forward and aft rotor blades showing the angular orientation and positioning of each blade.

GAGE MEASUREMENT NAME	(+) POLARITY CONDITION
Forward Rotor Shaft Torque	Blade Lagging
Forward Shaft Bending, Upper (0°-180°)	Red Blade Down
Forward Shaft Bending, Upper (90°-270°)	Yellow Blade Down
Forward Shaft Bending, Lower (0°-180°)	Red Blade Down
Forward Shaft Bending, Lower (90°-270°)	Yellow Blade Down
Aft Rotor Shaft Torque	Blade Lagging
Aft Shaft Bending, Upper (0°-180°)	Red Blade Down
Aft Shaft Bending, Upper (90°-270°)	Yellow Blade Down
Aft Shaft Bending, Lower (0°-180°)	Red Blade Down
Aft Shaft Bending, Lower (90°-270°)	Yellow Blade Down
A/C Rotor Speed - (RPM)	--
A/C Load Factor @ C.G. - (G's)	--
A/C Roll Attitude	A/C Right Side Down
A/C Pitch Attitude	A/C Nose Up



3.3 Flight Index Chart

FLIGHT NUMBER	START OF TABULATION <u>SEQUENCE</u>
114	PAGE 17
115	23
116	35
117	41
119	47
121	59
122	71
124	77
126	89
127	95
128	101
132	107
133	113
134	125
135	131
136	137
137	143
138	149
139	155
140	167
141	173
142	185
143	197
151	209
161	215
162	221
163	227
166	233
167	239
177	245

THE **BOEING** COMPANY

PREPARED BY: J. Bendo
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4. TABULATED DATA

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114
T8GW 20800 T8CG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
1	57140.00	3016.00	40160.00	53270.00	114.50	23510.00	1
2	263500.00	12920.00	280700.00	245400.00	-1694.00	41590.00	2
3	290200.00	18100.00	310000.00	248000.00	566.50	57410.00	3
4	264400.00	45660.00	310000.00	196300.00	-4407.00	47020.00	4
5	241800.00	29300.00	315200.00	232500.00	9609.00	64650.00	5
6	245000.00	27140.00	347900.00	171300.00	-5320.00	91320.00	6
7	320800.00	62470.00	400500.00	174800.00	10500.00	133400.00	7
9	187700.00	45670.00	244400.00	14490.00	1019.00	28930.00	9
10	295400.00	17230.00	346000.00	260000.00	-8024.00	84090.00	10
11	187700.00	19820.00	222100.00	156700.00	-5768.00	76410.00	11
12	130800.00	15510.00	148000.00	108400.00	-3504.00	74140.00	12
13	155400.00	9904.00	190300.00	133400.00	-4416.00	84990.00	13
14	234200.00	15510.00	253200.00	212700.00	-3512.00	87700.00	14
15	292400.00	21110.00	322900.00	266100.00	2816.00	86800.00	15
16	318600.00	24990.00	355700.00	292800.00	5528.00	87700.00	16
17	333300.00	28440.00	345200.00	294500.00	7792.00	93580.00	17
18	332000.00	33180.00	346900.00	288500.00	6888.00	94490.00	18
19	308700.00	29730.00	342600.00	278100.00	10510.00	104400.00	19
20	230800.00	19820.00	249500.00	127400.00	-3056.00	94480.00	20
21	190700.00	15940.00	222100.00	117000.00	-4864.00	89060.00	21
22	195900.00	24560.00	298000.00	123100.00	-9840.00	101300.00	22
23	233800.00	19380.00	308300.00	131700.00	-2600.00	96740.00	23
24	187700.00	26710.00	373800.00	81700.00	-12100.00	113500.00	24
25	167400.00	28000.00	310000.00	93760.00	-15260.00	105800.00	25

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114
TOGW 20800 TECG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
1	-2687.00	22380.00	1238.00	26120.00	-7337.00	26040.00	1
2	4922.00	43420.00	-5966.00	48630.00	4338.00	52090.00	2
3	3131.00	49680.00	9342.00	67540.00	296.00	57920.00	3
4	-897.00	46550.00	-4165.00	54930.00	3889.00	53430.00	4
5	-897.00	64450.00	13840.00	74740.00	4328.00	75430.00	5
6	-4488.00	97580.00	-5976.00	103600.00	-12740.00	114900.00	6
7	-8072.00	127100.00	2136.00	148600.00	-2856.00	136500.00	7
9	-4478.00	27750.00	-1914.00	29270.00	-15870.00	30980.00	9
10	13420.00	84140.00	-14080.00	98160.00	-1056.00	100600.00	10
11	9832.00	78780.00	-18580.00	89150.00	2984.00	97430.00	11
12	8936.00	76090.00	-12720.00	86000.00	1184.00	91150.00	12
13	8944.00	87730.00	-12730.00	98600.00	1640.00	103300.00	13
14	11180.00	85490.00	-10030.00	102200.00	3880.00	102800.00	14
15	12980.00	84590.00	776.00	100400.00	10620.00	100600.00	15
16	14100.00	84150.00	2136.00	103600.00	11510.00	101150.00	16
17	16550.00	90860.00	4384.00	110300.00	11510.00	110500.00	17
18	12070.00	91750.00	7080.00	113900.00	10620.00	111400.00	18
19	15210.00	109200.00	7536.00	129700.00	16000.00	126600.00	19
20	7600.00	92660.00	-9576.00	109900.00	-1952.00	112300.00	20
21	8496.00	90860.00	-13180.00	103600.00	-1056.00	107800.00	21
22	5360.00	104700.00	-19480.00	118900.00	-5552.00	125700.00	22
23	9840.00	97570.00	-7776.00	117100.00	-8240.00	119400.00	23
24	1784.00	113700.00	-23980.00	135100.00	-8696.00	138700.00	24
25	-23280.00	118200.00	-26690.00	124300.00	-4648.00	132900.00	25

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114
TGW 20800 TCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
1	74770.00	3472.00	79120.00	70430.00	-1313.00	9097.00	1
2	228900.00	7376.00	298000.00	207600.00	-522.00	32830.00	2
3	235800.00	12590.00	257100.00	207600.00	-19110.00	38760.00	3
4	234300.00	40370.00	364000.00	198900.00	-1709.00	36390.00	4
5	276000.00	10000.00	273600.00	203300.00	17270.00	59320.00	5
6	228400.00	19970.00	271800.00	164200.00	35460.00	168500.00	6
7	182400.00	74660.00	325700.00	105200.00	20830.00	125400.00	7
9	145500.00	48180.00	241400.00	22690.00	7784.00	12660.00	9
10	300500.00	14760.00	374300.00	272700.00	8960.00	75540.00	10
11	248800.00	16060.00	284000.00	230200.00	3829.00	47460.00	11
12	187600.00	12150.00	213700.00	173700.00	3829.00	56160.00	12
13	193700.00	10420.00	295000.00	164200.00	3424.00	82660.00	13
14	252300.00	13460.00	270100.00	228400.00	8968.00	70790.00	14
15	294100.00	19100.00	323100.00	265800.00	11740.00	76730.00	15
16	302200.00	21700.00	334400.00	271800.00	8960.00	82660.00	16
17	301800.00	29090.00	326900.00	272700.00	9360.00	88590.00	17
18	310500.00	32550.00	343000.00	271000.00	8560.00	88590.00	18
19	295300.00	28650.00	326100.00	266600.00	21620.00	101600.00	19
20	238800.00	19100.00	269200.00	173700.00	-928.00	91760.00	20
21	204100.00	18230.00	249300.00	146000.00	-928.00	94130.00	21
22	265300.00	25620.00	324800.00	162400.00	10540.00	97700.00	22
23	257100.00	19960.00	301400.00	154600.00	6584.00	97690.00	23
24	243200.00	39060.00	347400.00	177200.00	9360.00	156600.00	24
25	310900.00	36460.00	342100.00	157200.00	-4880.00	125000.00	25

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FLIGHT LOADS

CH-4A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114
TGW 20800 TECG 22+4 FWD FLIGHT DATE 08/02/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
1	-547.00	8456.00	-5165.00	7637.00	4249.00	5893.00	1
2	1.00	35840.00	-5615.00	31450.00	1077.00	33540.00	2
3	-11420.00	41880.00	-30770.00	31450.00	-9350.00	34000.00	3
4	-10610.00	39460.00	-11010.00	35940.00	-6177.00	36260.00	4
5	-21080.00	61210.00	11910.00	50770.00	-9803.00	48960.00	5
6	-10620.00	185200.00	18180.00	129800.00	6968.00	136400.00	6
7	-23910.00	131700.00	9208.00	107400.00	-14790.00	107400.00	7
9	2674.00	11680.00	-6064.00	10330.00	4703.00	10880.00	9
10	-4176.00	75700.00	-7418.00	69190.00	5149.00	66630.00	10
11	3882.00	44290.00	-7861.00	45370.00	9689.00	40340.00	11
12	-547.50	55970.00	-7412.00	53010.00	8329.00	48960.00	12
13	-1360.00	84160.00	-8765.00	74130.00	6056.00	74790.00	13
14	-2968.00	76100.00	-2025.00	64700.00	3336.00	70260.00	14
15	-3376.00	80530.00	-680.00	66940.00	616.00	73880.00	15
16	-2968.00	84150.00	664.00	72780.00	-2104.00	76600.00	16
17	-2968.00	86570.00	-232.00	79060.00	-3464.00	78870.00	17
18	-3376.00	86980.00	-680.00	80410.00	-3464.00	78870.00	18
19	-3776.00	105900.00	11450.00	87160.00	3336.00	93830.00	19
20	-4176.00	92610.00	-9664.00	63100.00	616.00	82950.00	20
21	-11830.00	86570.00	-11020.00	84460.00	-6184.00	77060.00	21
22	-8608.00	97840.00	664.00	88950.00	-6184.00	88840.00	22
23	-9416.00	96230.00	-1576.00	87610.00	-7088.00	88850.00	23
24	-7808.00	159900.00	-26740.00	143300.00	-5280.00	147800.00	24
25	-17460.00	129300.00	-4272.00	122600.00	-14340.00	123300.00	25

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114
T6GW 20800 T6CG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
1	259.30	259.40	259.20	1.01	1.01	1.00	1
2	264.70	264.90	263.90	1.01	1.02	.98	2
3	264.00	264.90	263.30	1.00	1.04	.97	3
4	264.50	264.90	263.90	1.00	1.03	.98	4
5	263.70	265.30	263.30	.97	1.02	.96	5
6	265.30	266.40	263.10	.98	1.09	.88	6
7	264.50	265.10	262.90	.99	1.03	.96	7
9	297.30	359.60	240.20	1.00	1.02	.99	9
10	263.80	265.10	262.80	1.08	1.14	.98	10
11	264.30	264.60	263.70	1.02	1.06	.97	11
12	265.30	265.40	264.40	1.02	1.05	.94	12
13	263.70	265.10	262.60	.90	1.11	.87	13
14	264.10	264.40	263.70	.98	1.08	.93	14
15	264.30	264.60	263.70	1.05	1.07	.95	15
16	264.30	264.60	263.90	1.05	1.06	.96	16
17	263.90	264.40	263.70	.98	1.06	.94	17
18	264.20	264.30	264.10	.98	1.02	.97	18
19	263.70	264.60	263.10	1.00	1.23	.96	19
20	263.20	266.20	262.00	1.12	1.36	.98	20
21	264.20	265.60	262.80	1.13	1.31	.90	21
22	266.10	267.20	262.60	1.15	1.60	.85	22
23	262.60	266.80	261.40	1.38	1.53	1.00	23
24	266.30	268.60	260.70	1.36	1.91	.97	24
25	264.60	267.20	261.80	1.25	1.79	1.00	25

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114
T8GW 20800 T8CG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
1	1.20	1.28	1.12	5.75	5.83	5.67	1
2	-5.50	-1.18	-1.15	6.54	7.33	5.75	2
3	-1.47	.63	-1.96	5.12	6.67	3.66	3
4	-1.42	.47	-1.31	5.67	7.33	3.58	4
5	.47	1.77	-0.01	5.08	6.92	4.58	5
6	-1.39	.31	-3.42	4.00	8.09	3.33	6
7	2.58	4.20	-.82	5.71	7.58	4.58	7
9	.07	.15	-.01	.74	1.49	-.09	9
10	-.74	1.44	-1.96	-3.34	3.25	-17.86	10
11	-.34	-.01	-.82	2.54	3.08	.74	11
12	-.34	.80	-.50	2.24	3.33	1.66	12
13	-.18	1.77	-.34	.41	.83	-4.10	13
14	-.26	.47	-1.15	-2.05	-1.34	-2.59	14
15	-.26	1.93	-1.47	-3.68	-3.34	-4.76	15
16	-.18	.31	-.82	-5.18	-4.01	-6.01	16
17	-.50	.80	-1.47	-3.68	-1.34	-6.77	17
18	1.28	1.61	.47	-7.98	-7.77	-8.35	18
19	-.01	.31	-1.15	-.38	2.75	-2.18	19
20	7.93	33.70	-3.09	7.84	9.75	-4.18	20
21	-20.44	3.55	-38.11	.16	1.66	-2.43	21
22	-19.71	-1.15	-50.10	3.33	5.16	-1.93	22
23	15.79	45.04	-.34	-.38	4.41	-3.93	23
24	-30.73	2.58	-56.42	-.67	9.00	-3.18	24
25	18.30	57.36	.80	.28	7.58	-2.51	25

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TMGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
1	293200.00	20250.00	355700.00	233300.00	-6672.00	82740.00	1
2	317300.00	12500.00	324100.00	295400.00	-8480.00	80930.00	2
3	310900.00	11200.00	324100.00	291900.00	-5320.00	78660.00	3
4	313500.00	11200.00	322400.00	293600.00	-8032.00	79570.00	4
5	300500.00	7760.00	317800.00	288500.00	-13900.00	79120.00	5
6	310500.00	9048.00	319500.00	291900.00	-7576.00	79110.00	6
7	322400.00	11630.00	328500.00	311700.00	-3050.00	41140.00	7
9	312600.00	14650.00	322400.00	293600.00	-3955.00	46560.00	9
10	310500.00	13350.00	326400.00	291900.00	-3502.00	43400.00	10
11	288900.00	15080.00	306600.00	266100.00	-4406.00	49730.00	11
12	258300.00	14650.00	279900.00	242000.00	-4406.00	60580.00	12
13	260000.00	13790.00	279900.00	242800.00	-8482.00	62850.00	13
14	204000.00	14650.00	219400.00	182500.00	-5313.00	66910.00	14
15	194100.00	15080.00	221300.00	177300.00	-4413.00	65110.00	15
16	200200.00	15080.00	223000.00	178200.00	-4406.00	56060.00	16
17	235900.00	17230.00	257500.00	212700.00	-4406.00	45210.00	17
18	204200.00	13350.00	219400.00	186000.00	-5765.00	66460.00	18
19	220400.00	23260.00	244500.00	186800.00	-8032.00	77760.00	19
20	222100.00	25850.00	257500.00	173900.00	-7120.00	79570.00	20
21	129100.00	14650.00	143700.00	109300.00	-2146.00	56510.00	21
22	92900.00	12060.00	106700.00	57570.00	1923.00	48830.00	22
23	61020.00	12060.00	79100.00	34310.00	1923.00	44300.00	23
24	223300.00	18100.00	240000.00	51540.00	-3960.00	71880.00	24
25	203600.00	18530.00	224700.00	168700.00	-5320.00	73240.00	25
26	222600.00	32310.00	259200.00	167900.00	-1696.00	81380.00	26
27	232000.00	26280.00	271200.00	169600.00	-344.00	81830.00	27
28	219100.00	16800.00	237600.00	197200.00	-9838.00	66910.00	28
29	210500.00	15080.00	229000.00	190300.00	-4865.00	64660.00	29
30	197200.00	13790.00	219600.00	183400.00	5992.00	64650.00	30
31	193700.00	22410.00	221300.00	168700.00	10500.00	77300.00	31
32	214000.00	44370.00	258300.00	150600.00	-5766.00	62840.00	32
33	215700.00	23700.00	241100.00	172200.00	10050.00	77760.00	33
34	192800.00	12920.00	209200.00	162700.00	-7122.00	65100.00	34
35	203200.00	31880.00	246300.00	156700.00	-1248.00	75500.00	35
36	215700.00	37480.00	274700.00	166100.00	-6216.00	78660.00	36
37	250100.00	35760.00	285900.00	167900.00	-9384.00	80020.00	37
38	217000.00	31020.00	254900.00	128200.00	-2600.00	78660.00	38
39	142700.00	19820.00	244500.00	142900.00	-5768.00	76410.00	39
40	184700.00	29730.00	254900.00	142900.00	112.00	79570.00	40
41	-37420.00	1939.00	-25480.00	-39360.00	5540.00	38880.00	41
42	-32040.00	5170.00	-26870.00	-39360.00	4184.00	40240.00	42
43	-33540.00	5316.00	-24280.00	-39360.00	9156.00	49730.00	43
44	-33970.00	5386.00	-28590.00	-39360.00	22720.00	50630.00	44
45	-36990.00	2370.00	-34620.00	-39360.00	2827.00	42500.00	45
46	-29670.00	9694.00	-14800.00	-39360.00	20900.00	92220.00	46
47	293700.00	13780.00	317800.00	267800.00	-3954.00	43850.00	47
48	294700.00	14220.00	320400.00	266900.00	-2598.00	52440.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
49	276400.00	14650.00	316900.00	261800.00	1471.00	55610.00	49
50	248700.00	54280.00	340200.00	204900.00	-5311.00	52440.00	50
51	307900.00	51260.00	370300.00	221300.00	560.00	75500.00	51
52	-27510.00	11850.00	8462.00	-39360.00	-13000.00	86340.00	52
53	-28800.00	10560.00	3292.00	-39360.00	-6672.00	79120.00	53
54	-13080.00	10340.00	3292.00	-39360.00	-9386.00	61940.00	54
55	-26000.00	12060.00	-13940.00	-39360.00	-8032.00	77760.00	55
56	-31820.00	7540.00	-20830.00	-39360.00	-13000.00	70070.00	56
57	-30530.00	8832.00	-15660.00	-39360.00	-3960.00	75500.00	57
58	-30100.00	9263.00	-1016.00	-39360.00	-16170.00	90420.00	58
59	-21050.00	18310.00	-155.00	-39360.00	-13460.00	91330.00	59
60	343600.00	25850.00	377200.00	304800.00	2368.00	87250.00	60
61	194100.00	32310.00	287600.00	-39360.00	1016.00	82280.00	61

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
1	9840.00	83250.00	-19030.00	102200.00	3432.00	99690.00	1
2	5808.00	83700.00	-7776.00	94560.00	-2856.00	101500.00	2
3	4912.00	83700.00	-12280.00	91850.00	-1952.00	99680.00	3
4	5360.00	81460.00	-11820.00	92300.00	744.00	96090.00	4
5	8944.00	79660.00	-10480.00	91860.00	3432.00	94300.00	5
6	9392.00	81010.00	-11820.00	92300.00	2536.00	96090.00	6
7	8055.00	36700.00	-5516.00	48180.00	2990.00	46250.00	7
9	8950.00	43860.00	-8668.00	54930.00	3440.00	54780.00	9
10	8950.00	40280.00	-7317.00	50880.00	3440.00	49390.00	10
11	7608.00	46100.00	-8217.00	57180.00	2542.00	56580.00	11
12	8950.00	55500.00	-8220.00	70690.00	744.00	67350.00	12
13	5810.00	61310.00	-14080.00	72950.00	-1952.00	70940.00	13
14	7155.00	65340.00	-12720.00	77900.00	-1056.00	79020.00	14
15	6706.00	63100.00	-10930.00	76990.00	-1056.00	76340.00	15
16	7607.00	51470.00	-9576.00	63940.00	-3296.00	61520.00	16
17	4922.00	44310.00	-12720.00	52680.00	-1500.00	48940.00	17
18	8050.00	65340.00	-11370.00	76550.00	-608.00	77680.00	18
19	7152.00	80560.00	-15880.00	90950.00	-1064.00	96090.00	19
20	7600.00	79220.00	-14530.00	93200.00	-1504.00	97440.00	20
21	9398.00	53260.00	-4168.00	64840.00	2092.00	61520.00	21
22	11640.00	43860.00	-4165.00	55830.00	3889.00	52530.00	22
23	11190.00	41620.00	-4615.00	51780.00	5236.00	49390.00	23
24	10290.00	70270.00	-9576.00	83750.00	2080.00	85760.00	24
25	5360.00	73410.00	-12730.00	86900.00	-2856.00	88900.00	25
26	5808.00	78320.00	-8680.00	94550.00	-2400.00	92940.00	26
27	12070.00	80120.00	-7328.00	99500.00	1640.00	101500.00	27
28	3120.00	69380.00	-16330.00	77900.00	-2408.00	80380.00	28
29	7153.00	61760.00	-11830.00	75200.00	736.00	75440.00	29
30	3573.00	65340.00	-10470.00	74750.00	-4200.00	80380.00	30
31	17000.00	76090.00	-23980.00	89160.00	15550.00	92050.00	31
32	4922.00	60420.00	-11370.00	72950.00	6128.00	71840.00	32
33	3120.00	81900.00	6184.00	91400.00	-1056.00	89810.00	33
34	5362.00	62650.00	-15880.00	74750.00	-1056.00	77230.00	34
35	5368.00	75190.00	-6872.00	90950.00	-608.00	94740.00	35
36	5360.00	80560.00	-14980.00	33660.00	296.00	95640.00	36
37	11430.00	83250.00	-11380.00	33650.00	15550.00	90260.00	37
38	9384.00	78330.00	-9128.00	93210.00	6128.00	90700.00	38
39	7592.00	76540.00	-12730.00	91400.00	1192.00	95640.00	39
40	8048.00	81460.00	-6872.00	94550.00	4776.00	96540.00	40
41	10740.00	37600.00	-3715.00	46380.00	4786.00	43550.00	41
42	11190.00	38040.00	-3265.00	48630.00	7930.00	44900.00	42
43	8603.00	52370.00	3940.00	59430.00	4786.00	60620.00	43
44	21480.00	55500.00	20590.00	58080.00	23190.00	61960.00	44
45	10290.00	40730.00	-3715.00	49980.00	5685.00	48940.00	45
46	-4040.00	89960.00	16100.00	102200.00	-10040.00	100600.00	46
47	7160.00	42970.00	-4165.00	50430.00	2093.00	49840.00	47
48	13430.00	52810.00	-3715.00	59880.00	16460.00	60610.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TGW 20800 TBCG 22.4 FWD FLIGHT DATE 03/02/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
49	16110.00	55490.00	5734.00	63930.00	18700.00	68240.00	49
50	893.50	53710.00	-10470.00	58540.00	-4645.00	61070.00	50
51	7152.00	82350.00	-4624.00	86000.00	3888.00	92050.00	51
52	4912.00	91860.00	-23980.00	104500.00	-4200.00	111800.00	52
53	10730.00	76980.00	-16330.00	90500.00	3432.00	92500.00	53
54	6260.00	66240.00	-16330.00	74300.00	-1960.00	81720.00	54
55	3128.00	76540.00	-12270.00	95460.00	-14930.00	94740.00	55
56	-3592.00	76090.00	-19480.00	86460.00	-15870.00	92940.00	56
57	8936.00	76090.00	-12730.00	90500.00	-608.00	94740.00	57
58	2672.00	99360.00	-23540.00	115700.00	-9592.00	125300.00	58
59	-2248.00	94440.00	-20380.00	117100.00	-11840.00	120300.00	59
60	15660.00	83700.00	328.00	102700.00	12860.00	101900.00	60
61	10740.00	83250.00	-5528.00	96810.00	6128.00	96990.00	61

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TSGW 20800 TECG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49200ALT	49200SDY	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
1	14320.00	302700.00	343000.00	198900.00	4223.00	64470.00	1
2	8680.00	326500.00	343900.00	309200.00	7376.00	74750.00	2
3	8680.00	315600.00	336900.00	307400.00	8177.00	71580.00	3
4	9120.00	309600.00	325700.00	290100.00	7386.00	72370.00	4
5	6944.00	310900.00	328300.00	304000.00	6991.00	67230.00	5
6	8248.00	318300.00	332600.00	306600.00	6200.00	68020.00	6
7	6080.00	311800.00	319600.00	299600.00	5015.00	19380.00	7
9	6512.00	307000.00	326500.00	300500.00	5806.00	23340.00	9
10	7808.00	309200.00	320400.00	297000.00	5411.00	18980.00	10
11	7808.00	292800.00	309200.00	282300.00	5015.00	21750.00	11
12	7376.00	279200.00	290900.00	270100.00	4620.00	33220.00	12
13	6944.00	278800.00	287500.00	266600.00	2247.00	32430.00	13
14	10860.00	249700.00	262300.00	234500.00	1456.00	29270.00	14
15	9120.00	251400.00	267500.00	238000.00	1851.00	28870.00	15
16	10860.00	287000.00	301400.00	261400.00	4224.00	28080.00	16
17	9112.00	307000.00	317000.00	290900.00	3433.00	32830.00	17
18	6944.00	244100.00	263200.00	233600.00	664.50	33220.00	18
19	10850.00	255800.00	269200.00	238800.00	1851.00	35990.00	19
20	13890.00	251000.00	294400.00	236200.00	-1313.00	42320.00	20
21	9552.00	215400.00	226700.00	203300.00	-126.50	37180.00	21
22	7384.00	162900.00	173700.00	133800.00	-522.00	32040.00	22
23	8248.00	135100.00	143400.00	102600.00	2247.00	29270.00	23
24	11280.00	225000.00	295300.00	139000.00	-3291.00	45880.00	24
25	11280.00	248400.00	268400.00	216300.00	-1313.00	39160.00	25
26	19100.00	274400.00	326500.00	220600.00	-3291.00	40340.00	26
27	16930.00	291400.00	320400.00	254500.00	-2895.00	47070.00	27
28	14760.00	251000.00	271800.00	215400.00	-2104.00	41530.00	28
29	10420.00	242300.00	256200.00	226700.00	-917.50	26890.00	29
30	9112.00	246200.00	255300.00	229300.00	664.50	32430.00	30
31	19970.00	247500.00	267500.00	225000.00	-3686.00	41530.00	31
32	36900.00	228000.00	282300.00	191100.00	-2500.00	35600.00	32
33	24740.00	244500.00	276200.00	213700.00	-1709.00	40340.00	33
34	13020.00	251900.00	264900.00	226700.00	-1709.00	27690.00	34
35	35590.00	280500.00	316100.00	211100.00	-522.00	32040.00	35
36	46450.00	284400.00	333500.00	225000.00	-2104.00	33620.00	36
37	32550.00	304400.00	336900.00	211100.00	-1709.00	36390.00	37
38	21700.00	231000.00	313500.00	198900.00	-2500.00	52210.00	38
39	16500.00	263200.00	294400.00	205900.00	-3291.00	53000.00	39
40	16500.00	255300.00	282300.00	219700.00	-5268.00	54180.00	40
41	4775.00	31810.00	37450.00	23560.00	1851.00	31250.00	41
42	7380.00	32670.00	40920.00	15750.00	2247.00	25310.00	42
43	6077.00	27900.00	40050.00	16610.00	4620.00	49040.00	43
44	10420.00	25640.00	42660.00	14010.00	3038.00	37970.00	44
45	9984.00	33540.00	53940.00	23560.00	3829.00	31640.00	45
46	15630.00	42660.00	58280.00	2724.00	29130.00	107600.00	46
47	11290.00	257100.00	273600.00	235400.00	-3291.00	34010.00	47
48	12580.00	256600.00	284900.00	231000.00	-14760.00	36780.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
T6GW 20K00 T6CG 22+4 FWD FLIGHT DATE 08/02/77

EVENT	49200ALT	49200SDY	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
49	19530.00	25600.00	287500.00	229300.00	-4873.00	36390.00	49
50	52520.00	27500.00	330000.00	205900.00	-2500.00	40340.00	50
51	47310.00	25600.00	340400.00	187600.00	-136.00	69610.00	51
52	18670.00	23990.00	69570.00	-18980.00	-9624.00	84630.00	52
53	16930.00	31810.00	62630.00	5328.00	-2904.00	69210.00	53
54	12590.00	39620.00	58280.00	12270.00	-2895.00	66050.00	54
55	12590.00	19650.00	39190.00	4460.00	-12390.00	62100.00	55
56	17360.00	26160.00	43530.00	8801.00	-12390.00	57350.00	56
57	13890.00	20950.00	46130.00	3592.00	-5664.00	63280.00	57
58	19970.00	32240.00	80850.00	5328.00	-11600.00	73170.00	58
59	32560.00	73480.00	106000.00	-10300.00	-4086.00	65660.00	59
60	22570.00	314400.00	336900.00	269200.00	7376.00	78700.00	60
61	39500.00	253200.00	354300.00	14880.00	-9624.00	67240.00	61

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AIRCRAFT SLP1 FLIGHT 115
T8GW 20x00 T8CG 22+4 FWD FLIGHT DATE 08/02/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
1	-949.50	62010.00	-3818.00	60200.00	169.50	55300.00	1
2	-6600.00	74090.00	-1584.00	68740.00	-3009.00	63920.00	2
3	-4176.00	7060.00	-1577.00	64250.00	1530.00	60290.00	3
4	-3376.00	7060.00	-1574.00	66040.00	2890.00	60740.00	4
5	-2161.00	64830.00	-1572.00	60650.00	3343.00	55760.00	5
6	-2561.00	65230.00	-2919.00	61100.00	2890.00	56210.00	6
7	-3769.00	18930.00	2472.00	23360.00	169.50	18130.00	7
9	-2963.00	21340.00	2023.00	26510.00	-737.00	20850.00	9
10	-3366.00	17720.00	2023.00	22910.00	-737.00	17230.00	10
11	-3366.00	20130.00	226.00	23810.00	1076.00	19950.00	11
12	-5782.00	29800.00	225.50	33690.00	-2097.00	28560.00	12
13	-5782.00	29800.00	226.00	32800.00	-5270.00	29920.00	13
14	-4574.00	29390.00	-672.50	30100.00	-2097.00	29460.00	14
15	-547.50	29390.00	-2919.00	29650.00	1529.00	29460.00	15
16	-2963.00	30200.00	1574.00	24260.00	-283.50	26740.00	16
17	-4977.00	33020.00	2023.00	31000.00	-2097.00	30370.00	17
18	-6990.00	31810.00	-673.00	31000.00	-2551.00	31730.00	18
19	-6587.00	38560.00	-2470.00	35490.00	-3004.00	37620.00	19
20	-6185.00	45500.00	-2470.00	41780.00	-5724.00	43970.00	20
21	-2158.00	36540.00	-4267.00	36390.00	1983.00	35360.00	21
22	-547.50	29390.00	-1571.00	32800.00	4703.00	27200.00	22
23	-1353.00	29390.00	-1571.00	29200.00	4703.00	25380.00	23
24	-2561.00	43490.00	-6513.00	44030.00	-283.50	43970.00	24
25	-6587.00	41880.00	-1571.00	39980.00	-5270.00	41700.00	25
26	-4171.00	45900.00	-2919.00	42230.00	-2097.00	46690.00	26
27	-7796.00	48720.00	-3818.00	46720.00	-6177.00	49860.00	27
28	-8601.00	46670.00	-3368.00	39980.00	-6630.00	39440.00	28
29	-5379.00	26170.00	-1122.00	26960.00	-2097.00	25840.00	29
30	-9003.00	36240.00	5617.00	31000.00	-7537.00	35810.00	30
31	-6587.00	45900.00	14150.00	43130.00	-8443.00	46690.00	31
32	-8198.00	33820.00	-3369.00	35490.00	-2097.00	32180.00	32
33	258.50	53550.00	-11010.00	35940.00	1983.00	49860.00	33
34	-2963.00	31010.00	-3369.00	26510.00	1077.00	27200.00	34
35	-1755.00	36240.00	-2021.00	29650.00	623.00	33090.00	35
36	-4574.00	38250.00	-5165.00	31000.00	-2097.00	35810.00	36
37	-9003.00	38660.00	1125.00	33690.00	-7083.00	37170.00	37
38	-4977.00	51540.00	-3818.00	49420.00	-3457.00	51680.00	38
39	-9406.00	52750.00	-5615.00	49420.00	-7990.00	52580.00	39
40	-9809.00	55570.00	-7861.00	52560.00	-13890.00	54850.00	40
41	-6990.00	32620.00	-223.50	26060.00	3343.00	28560.00	41
42	-4977.00	27380.00	-1122.00	21560.00	1530.00	22210.00	42
43	-6185.00	5330.00	226.00	39980.00	3343.00	39440.00	43
44	-8198.00	39460.00	2023.00	29200.00	169.50	31730.00	44
45	-5782.00	34630.00	-3818.00	27850.00	2889.00	28100.00	45
46	-27540.00	107100.00	18630.00	89850.00	-11620.00	82500.00	46
47	-4574.00	35030.00	-3368.00	31000.00	-2551.00	31730.00	47
48	-13430.00	39860.00	1124.00	32800.00	-9803.00	33540.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TOGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
49	-6587.00	41070.00	-3368.00	36390.00	-18420.00	34900.00	49
50	-6587.00	35460.00	-3369.00	37290.00	-284.00	35810.00	50
51	-152.00	6840.00	-6517.00	60200.00	3343.00	56660.00	51
52	-152.00	77300.00	-15950.00	80420.00	1976.00	77060.00	52
53	7501.00	68850.00	-7867.00	63350.00	3338.00	63910.00	53
54	-2969.00	63220.00	-10560.00	61550.00	6969.00	58480.00	54
55	4480.00	62810.00	-18200.00	59310.00	1530.00	62100.00	55
56	-2963.00	57580.00	-18650.00	57960.00	-1190.00	60290.00	56
57	7499.00	62410.00	-14160.00	61550.00	8327.00	62550.00	57
58	-7801.00	68060.00	-16400.00	73680.00	-3920.00	71170.00	58
59	5088.00	63220.00	-18640.00	61550.00	623.00	60290.00	59
60	-3776.00	8930.00	-232.00	70090.00	-4368.00	71620.00	60
61	6693.00	68040.00	-15050.00	63350.00	1530.00	62100.00	61

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
T6GW 20800 T6CG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
1	262.80	265.10	262.60	.99	1.12	.94	1
2	264.30	264.40	263.70	1.07	1.11	1.02	2
3	264.10	264.50	263.90	.98	1.03	.96	3
4	264.10	264.40	263.90	.95	1.01	.92	4
5	264.10	264.50	263.70	.99	1.04	.96	5
6	264.10	264.40	263.70	1.02	1.03	.99	6
7	264.10	264.30	263.90	.98	1.01	.98	7
9	262.30	262.40	261.80	1.01	1.02	.99	9
10	259.10	259.20	258.60	.98	1.01	.97	10
11	263.20	263.50	263.10	1.01	1.02	.99	11
12	264.00	264.30	263.70	1.00	1.02	.98	12
13	263.80	264.30	263.70	.99	1.02	.97	13
14	263.80	263.90	263.70	.99	1.01	.97	14
15	263.70	264.10	263.50	1.01	1.02	.98	15
16	263.80	263.90	263.50	.99	1.02	.99	16
17	263.40	263.70	263.30	.99	1.00	.98	17
18	264.20	264.30	263.70	.99	.99	.97	18
19	263.80	264.40	263.70	1.02	1.03	.98	19
20	263.80	264.40	262.90	1.03	1.07	.97	20
21	263.20	263.70	263.10	1.01	1.02	1.01	21
22	265.60	265.80	264.90	.93	.97	.92	22
23	265.40	266.80	265.30	.93	.98	.90	23
24	261.30	263.70	259.80	1.04	1.09	1.01	24
25	264.20	264.60	263.30	.94	1.08	.92	25
26	263.60	265.30	263.10	1.13	1.18	.96	26
27	263.90	264.40	262.90	1.10	1.19	1.03	27
28	263.50	263.90	263.30	1.04	1.05	1.01	28
29	263.80	264.10	263.70	.99	1.01	.98	29
30	263.30	263.80	263.10	.98	1.00	.96	30
31	263.50	263.70	262.90	1.03	1.05	1.01	31
32	264.00	264.30	263.50	.97	.99	.91	32
33	263.10	264.40	262.20	.96	1.02	.90	33
34	266.50	268.40	263.70	1.01	1.05	.99	34
35	263.10	268.60	262.00	1.05	1.22	.90	35
36	264.30	268.40	262.00	1.08	1.24	.92	36
37	263.70	268.80	262.60	1.09	1.24	.91	37
38	263.60	264.60	262.90	1.06	1.17	.90	38
39	264.00	264.30	262.80	.98	1.16	.87	39
40	264.80	265.40	263.10	1.06	1.19	.87	40
41	276.70	277.60	275.40	1.02	1.04	.98	41
42	276.50	279.30	269.10	.97	1.15	.93	42
43	272.10	278.00	268.90	1.04	1.14	.95	43
44	275.60	276.70	270.80	.98	1.03	.96	44
45	276.50	279.30	273.40	1.03	1.08	.97	45
46	266.80	269.10	266.00	.97	1.02	.91	46
47	264.10	264.40	263.50	.98	.99	.96	47
48	263.90	264.30	263.10	1.01	1.02	.98	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
T8GW 20800 T8CG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
49	263.50	264.30	263.30	.98	1.01	.96	49
50	264.30	264.90	263.30	1.00	1.03	.96	50
51	262.80	264.40	262.40	.98	1.02	.95	51
52	279.10	282.50	270.10	1.41	1.54	.91	52
53	273.70	280.30	262.60	.99	1.43	.93	53
54	265.60	266.00	261.80	.90	1.08	.84	54
55	276.70	277.30	275.40	1.01	1.06	.99	55
56	274.10	274.40	273.20	.99	1.07	.90	56
57	272.90	273.80	272.40	1.02	1.06	.99	57
58	287.40	294.10	261.10	1.26	1.49	.65	58
59	280.00	283.60	264.10	1.57	1.81	.85	59
60	263.90	264.40	263.70	.95	1.09	.88	60
61	259.60	270.60	254.60	1.05	1.19	.90	61

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TGW 20800 TCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
1	.96	2.26	-2.93	3.79	6.00	-8.18	1
2	1.44	1.77	1.12	1.45	1.99	.49	2
3	.96	1.12	-.01	-1.05	-.09	-1.43	3
4	1.28	1.77	.63	-1.01	-.34	-2.09	4
5	.96	1.12	.15	1.74	1.99	1.08	5
6	.15	.31	-.01	1.49	1.83	1.08	6
7	1.12	1.77	.96	6.21	6.92	5.42	7
9	.88	1.44	.47	5.54	6.83	5.33	9
10	-.18	.47	-.82	6.13	6.92	5.25	10
11	.47	.80	.15	5.83	6.33	4.75	11
12	-.01	1.12	-.18	4.62	5.08	2.91	12
13	.47	2.26	-.01	2.49	4.08	1.91	13
14	1.69	2.09	1.61	5.00	5.58	3.58	14
15	.80	.96	.31	5.21	5.50	3.41	15
16	.23	.47	-.50	6.04	6.67	5.00	16
17	.15	.31	-.01	7.08	7.67	6.33	17
18	-.82	-.34	-1.15	2.70	4.41	2.33	18
19	-.50	.47	-1.47	4.46	5.25	4.00	19
20	8.66	12.14	1.44	6.21	11.34	4.66	20
21	-.34	.15	-.50	5.46	5.83	4.91	21
22	-.34	-.18	-.66	4.66	4.91	4.00	22
23	.47	.96	-.50	5.25	5.58	4.66	23
24	.88	3.23	.31	4.54	7.08	2.58	24
25	-3.42	3.88	-14.76	7.25	13.26	6.67	25
26	-11.44	3.23	-30.65	11.51	12.51	4.83	26
27	3.47	28.19	.15	8.71	10.34	4.75	27
28	-1.64	-1.31	-2.61	4.46	5.50	3.33	28
29	.88	1.93	.63	4.41	4.58	3.91	29
30	-.10	.96	-.66	2.16	2.41	.83	30
31	-.34	.31	-1.31	4.12	4.66	3.75	31
32	-.58	-.34	-1.15	1.12	2.75	.66	32
33	-.99	-.18	-1.31	3.45	3.66	3.25	33
34	.88	1.12	-.01	5.04	5.75	4.66	34
35	.80	1.28	-.34	4.33	5.16	2.91	35
36	-1.96	-.50	-2.12	2.91	3.91	2.16	36
37	-.42	.15	-.66	4.37	4.75	3.33	37
38	.23	.80	-1.31	9.00	12.42	.08	38
39	.72	1.12	-1.80	5.46	11.76	-.26	39
40	-2.77	.63	-3.26	-.01	9.25	-7.68	40
41	-.01	.47	-.50	6.50	6.67	6.25	41
42	-9.17	-7.63	-15.09	7.59	8.92	5.75	42
43	10.03	20.73	2.09	8.96	10.34	7.50	43
44	-.58	-.01	-1.96	8.67	9.17	7.84	44
45	-.34	-.18	-.99	7.75	8.34	5.75	45
46	-1.07	.31	-1.80	6.42	6.75	6.08	46
47	-.99	-.34	-1.31	5.37	5.92	4.66	47
48	-1.72	-.01	-2.93	4.66	5.42	4.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TSGN 20800 TSGG 224 FWD FLIGHT DATE 08/02/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
49	-.10	.47	-2.28	4.83	5.33	4.25	49
50	-.82	-.34	-.99	4.62	6.17	3.16	50
51	-.74	-.18	-1.80	6.00	6.58	5.33	51
52	-10.55	-.66	-48.15	5.75	7.50	-1.68	52
53	18.22	44.39	2.09	5.92	9.09	-14.52	53
54	-.58	-.01	-1.15	-2.05	.74	-5.51	54
55	-2.77	-.50	-4.39	3.75	4.25	3.58	55
56	-.50	-.01	-.82	3.50	4.08	2.58	56
57	-.42	.31	-.99	4.08	4.75	3.25	57
58	.88	1.44	-.82	3.58	14.93	.74	58
59	-.34	.96	-1.80	2.45	3.41	-1.68	59
60	-.66	.15	-1.47	-6.64	-5.01	-7.27	60
61	-2.04	3.88	-3.74	5.83	22.10	-1.01	61

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLPI FLIGHT 116
TGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	183400.00	24980.00	246300.00	104100.00	-1696.00	83180.00	2
3	218300.00	29730.00	276400.00	133400.00	-2600.00	80470.00	3
4	162400.00	36190.00	323800.00	43790.00	1008.00	94030.00	4
5	220400.00	23260.00	284200.00	130800.00	112.00	88610.00	5
6	208800.00	29730.00	327300.00	121300.00	-1704.00	105800.00	6
7	289800.00	30590.00	327300.00	99790.00	3272.00	96300.00	7
8	181200.00	15940.00	269200.00	46370.00	-9832.00	87700.00	8
9	234600.00	53850.00	346000.00	148900.00	-24760.00	110800.00	9
10	201500.00	32740.00	369200.00	155800.00	-9392.00	111700.00	10
11	333700.00	66780.00	400500.00	199700.00	-4416.00	108500.00	11
12	248300.00	33610.00	344500.00	209200.00	-7584.00	106200.00	12
13	3n4400.00	35750.00	384100.00	254000.00	2816.00	95840.00	13
14	3n4400.00	34900.00	372900.00	253200.00	-15260.00	112100.00	14
15	314800.00	28860.00	344300.00	265200.00	8696.00	98100.00	15
16	3n2700.00	18530.00	323300.00	279900.00	3728.00	88610.00	16
17	341900.00	24130.00	367800.00	304000.00	3720.00	91320.00	17
18	247200.00	24550.00	311700.00	251400.00	21360.00	83630.00	18
19	247400.00	35760.00	306600.00	231600.00	7344.00	84990.00	19
20	279000.00	36190.00	325500.00	232500.00	6888.00	86340.00	20
21	3n0100.00	24560.00	324700.00	242000.00	27230.00	94940.00	21
22	329400.00	28860.00	346900.00	300500.00	15020.00	92670.00	22
23	338000.00	42650.00	390200.00	283300.00	5536.00	92220.00	23
24	332900.00	48680.00	393600.00	273800.00	47120.00	129300.00	24
25	184200.00	19820.00	215200.00	158400.00	1464.00	80920.00	25
26	141600.00	11630.00	154100.00	126500.00	1920.00	72340.00	26
27	44460.00	9474.00	75660.00	51540.00	5540.00	59680.00	27
28	212700.00	21540.00	276400.00	53270.00	-4864.00	92670.00	28
29	298400.00	15080.00	329800.00	283300.00	-3502.00	38880.00	29
30	-14800.00	16370.00	102400.00	-39360.00	-6672.00	92670.00	30
31	-12650.00	14220.00	87730.00	-39360.00	7792.00	77310.00	31
32	13630.00	13790.00	27420.00	-2740.00	29950.00	64190.00	32
33	10190.00	11200.00	21390.00	-5324.00	-3053.00	63750.00	33
34	11050.00	17230.00	28280.00	-21700.00	9600.00	97200.00	34
35	45510.00	10340.00	55850.00	-1016.00	10960.00	60580.00	35
36	8031.00	22830.00	91170.00	-39360.00	-2152.00	73690.00	36
37	-4894.00	28000.00	21730.00	-35480.00	-9832.00	91320.00	37
38	222100.00	24980.00	267800.00	43790.00	-2152.00	74600.00	38
39	225900.00	29300.00	280700.00	24830.00	-792.00	80470.00	39
40	219600.00	32740.00	316900.00	-33760.00	-7120.00	83180.00	40
41	12A500.00	25850.00	248700.00	58440.00	2824.00	78660.00	41
42	147000.00	31880.00	247100.00	68770.00	5540.00	46110.00	42

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116
TGW 20800 TBCG 22+4 FWD FLIGHT DATE 08/02/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	15660.00	83700.00	-17230.00	97710.00	8368.00	101000.00	2
3	14310.00	80570.00	-13180.00	94550.00	6128.00	98780.00	3
4	19240.00	92650.00	-9128.00	110300.00	14210.00	105100.00	4
5	16550.00	86380.00	-7320.00	104000.00	9264.00	107300.00	5
6	19680.00	98460.00	-7328.00	124700.00	12420.00	119400.00	6
7	14550.00	89060.00	-11380.00	111700.00	10620.00	108700.00	7
8	4464.00	96670.00	-26690.00	106300.00	-8688.00	119000.00	8
9	888.00	122600.00	-37040.00	131900.00	-10940.00	145500.00	9
10	4920.00	110600.00	-21290.00	132400.00	-13630.00	135600.00	10
11	-4720.00	99810.00	-11380.00	125200.00	9712.00	113200.00	11
12	6704.00	109700.00	-19480.00	123400.00	-16330.00	130200.00	12
13	9832.00	93990.00	-16330.00	113000.00	10620.00	107800.00	13
14	-4480.00	115400.00	-23540.00	131000.00	-19920.00	132900.00	14
15	888.00	98470.00	7080.00	113000.00	-5104.00	113600.00	15
16	14770.00	84590.00	-568.00	102700.00	8376.00	102800.00	16
17	12080.00	87280.00	-1016.00	106700.00	8376.00	103700.00	17
18	12520.00	92200.00	2584.00	99510.00	5232.00	119400.00	18
19	9840.00	83250.00	3032.00	99060.00	6120.00	95190.00	19
20	15210.00	79670.00	-120.00	106700.00	7928.00	96090.00	20
21	888.00	96680.00	25540.00	117100.00	-1056.00	108700.00	21
22	17890.00	99360.00	15180.00	118400.00	20490.00	116700.00	22
23	17900.00	91300.00	-568.00	109900.00	14210.00	105100.00	23
24	-5376.00	119100.00	53460.00	146800.00	10620.00	141000.00	24
25	10730.00	78780.00	-6424.00	93210.00	736.00	93390.00	25
26	10290.00	68480.00	-4176.00	82850.00	4784.00	78580.00	26
27	10730.00	59970.00	-2368.00	69340.00	4779.00	69590.00	27
28	11630.00	88620.00	-13180.00	108100.00	2528.00	106900.00	28
29	5369.00	42070.00	-8218.00	47280.00	-1500.00	51640.00	29
30	19240.00	91750.00	-22180.00	109900.00	7920.00	114000.00	30
31	440.00	74740.00	6184.00	82390.00	-4200.00	83060.00	31
32	-4040.00	73850.00	5176.00	73390.00	-10040.00	87110.00	32
33	10740.00	55500.00	-18580.00	81950.00	5677.00	68690.00	33
34	-3592.00	92200.00	-2376.00	109900.00	-14530.00	103300.00	34
35	9841.00	64450.00	1680.00	77890.00	3432.00	79030.00	35
36	3128.00	72950.00	-13620.00	90500.00	-9144.00	88010.00	36
37	4704.00	87280.00	-25340.00	110300.00	-6000.00	106400.00	37
38	10290.00	73840.00	-12730.00	87800.00	-9136.00	92500.00	38
39	11180.00	78330.00	-10020.00	93210.00	-2400.00	91150.00	39
40	7600.00	90860.00	-19940.00	95010.00	-2856.00	107800.00	40
41	17450.00	72060.00	-5976.00	90060.00	-1056.00	87100.00	41
42	-4030.00	51470.00	-1914.00	47280.00	-15420.00	56580.00	42

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CH-46 FGR STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116
TGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	245400.00	22140.00	303100.00	201500.00	22410.00	141200.00	2
3	264900.00	27780.00	321300.00	184200.00	2240.00	81470.00	3
4	253200.00	33420.00	313500.00	187600.00	25570.00	156200.00	4
5	288800.00	23870.00	347400.00	170300.00	-3296.00	73570.00	5
6	296100.00	32990.00	377700.00	165100.00	1048.00	108000.00	6
7	240900.00	26040.00	377700.00	180700.00	3432.00	97690.00	7
8	182000.00	18660.00	220600.00	143400.00	1840.00	100100.00	8
9	257500.00	49920.00	402100.00	144200.00	10540.00	105600.00	9
10	283100.00	29510.00	312600.00	199800.00	33880.00	156600.00	10
11	329100.00	59900.00	402100.00	189400.00	14100.00	102800.00	11
12	278800.00	24300.00	393500.00	231900.00	13710.00	114300.00	12
13	281400.00	29520.00	376000.00	247500.00	16080.00	108000.00	13
14	317400.00	29940.00	363000.00	249300.00	15290.00	127800.00	14
15	296200.00	25180.00	396900.00	258000.00	10140.00	94130.00	15
16	292700.00	19100.00	315200.00	270100.00	8960.00	83460.00	16
17	322200.00	19100.00	360800.00	283100.00	12130.00	82660.00	17
18	242700.00	25610.00	297900.00	237100.00	9756.00	72370.00	18
19	279600.00	32990.00	312600.00	231900.00	15300.00	80290.00	19
20	264000.00	33860.00	368300.00	208500.00	656.00	79100.00	20
21	244900.00	36460.00	301400.00	228400.00	17660.00	87410.00	21
22	305700.00	28660.00	398700.00	260600.00	20040.00	88980.00	22
23	304600.00	40800.00	356900.00	249300.00	12130.00	91360.00	23
24	287900.00	59460.00	369100.00	228400.00	37050.00	128900.00	24
25	194800.00	13460.00	218000.00	171100.00	4608.00	77520.00	25
26	149900.00	8248.00	145100.00	141600.00	7386.00	66840.00	26
27	88220.00	12590.00	161700.00	73040.00	-4082.00	60120.00	27
28	235400.00	17360.00	277000.00	73900.00	8176.00	87410.00	28
29	244500.00	8248.00	244600.00	234500.00	4224.00	28870.00	29
30	5762.00	23010.00	150300.00	-31130.00	4608.00	79100.00	30
31	79110.00	19090.00	165200.00	-10300.00	-10020.00	68430.00	31
32	24430.00	17360.00	41790.00	4460.00	18460.00	61300.00	32
33	23990.00	16930.00	40920.00	4460.00	-6455.00	53000.00	33
34	15310.00	15190.00	30500.00	-18110.00	5400.00	91750.00	34
35	52640.00	13460.00	46100.00	7932.00	4620.00	56950.00	35
36	26600.00	30820.00	163400.00	-19850.00	19240.00	85030.00	36
37	22690.00	24310.00	58280.00	-1617.00	13310.00	86220.00	37
38	340000.00	20000.00	307400.00	100800.00	-928.00	77520.00	38
39	320000.00	20000.00	340400.00	98210.00	3032.00	71190.00	39
40	311800.00	32120.00	395100.00	37450.00	-10020.00	72380.00	40
41	231000.00	32990.00	288300.00	131200.00	-2900.00	66840.00	41
42	155900.00	29080.00	264100.00	63490.00	6993.00	34010.00	42

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116
TGW 20300 TCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	4680.00	137700.00	6960.00	121300.00	20100.00	117000.00	2
3	1456.00	84560.00	-4272.00	73230.00	8328.00	81590.00	3
4	-1360.00	157400.00	6504.00	135200.00	12860.00	130600.00	4
5	6696.00	73690.00	-14610.00	68290.00	-4822.00	70270.00	5
6	-10220.00	112300.00	-2480.00	102900.00	-8448.00	112000.00	6
7	-2168.00	98650.00	-11910.00	90740.00	616.00	90200.00	7
8	-1768.00	110300.00	-6968.00	90300.00	3784.00	100600.00	8
9	-11020.00	107500.00	2016.00	97490.00	-7096.00	97910.00	9
10	-20690.00	163900.00	6960.00	133000.00	9224.00	132400.00	10
11	-15050.00	103500.00	2464.00	88940.00	-17510.00	93830.00	11
12	-15860.00	114000.00	6960.00	105100.00	-13900.00	104700.00	12
13	-10220.00	110700.00	7856.00	96140.00	-6640.00	101100.00	13
14	-2568.00	125400.00	7856.00	114100.00	-7088.00	110600.00	14
15	-11020.00	95420.00	5608.00	83110.00	-1648.00	87940.00	15
16	-3376.00	87780.00	2912.00	73230.00	-1648.00	80690.00	16
17	-4576.00	84960.00	5160.00	77270.00	-2560.00	77060.00	17
18	248.00	78520.00	664.00	67380.00	2880.00	71620.00	18
19	9112.00	76100.00	10560.00	75470.00	11500.00	72980.00	19
20	248.00	83350.00	-8765.00	74130.00	2888.00	78870.00	20
21	-952.00	95830.00	6952.00	83560.00	5152.00	81140.00	21
22	-4176.00	85360.00	17290.00	82210.00	-5280.00	77970.00	22
23	-2168.00	88980.00	4264.00	81770.00	-3008.00	81140.00	23
24	-23500.00	128000.00	18640.00	103300.00	-6184.00	101500.00	24
25	-552.00	81740.00	-6517.00	71880.00	3792.00	75250.00	25
26	648.00	69260.00	-4268.00	64240.00	8322.00	63450.00	26
27	9115.00	59190.00	-16850.00	59760.00	16480.00	56200.00	27
28	-5722.00	89390.00	216.00	82220.00	-5280.00	80690.00	28
29	-2963.00	31010.00	-1571.00	27400.00	1530.00	28560.00	29
30	648.00	78920.00	-22240.00	82220.00	19660.00	72980.00	30
31	5888.00	68850.00	-25380.00	76380.00	14670.00	73430.00	31
32	-1756.00	62010.00	5615.00	64240.00	11040.00	58010.00	32
33	15960.00	43930.00	-18200.00	58410.00	27360.00	52580.00	33
34	-9008.00	99060.00	0.0	80000.00	4696.00	87030.00	34
35	11530.00	57580.00	-9664.00	61550.00	24650.00	59830.00	35
36	-3776.00	83340.00	11450.00	93450.00	6504.00	89750.00	36
37	-2168.00	86570.00	-6072.00	99290.00	9680.00	95650.00	37
38	1056.00	73510.00	-18200.00	71880.00	-744.00	69800.00	38
39	7904.00	68450.00	-6519.00	64700.00	10140.00	63460.00	39
40	2264.00	73290.00	-20900.00	66500.00	6514.00	67090.00	40
41	5491.00	67650.00	-11910.00	61100.00	12400.00	59370.00	41
42	-547.00	37450.00	-8759.00	29200.00	2436.00	31280.00	42

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AIRCRAFT SLP1 FLIGHT 116
TEGN 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	265.90	267.40	262.90	1.17	1.36	.99	2
3	264.30	266.20	262.60	1.15	1.21	.94	3
4	266.60	267.20	262.40	1.27	1.59	.90	4
5	264.60	266.20	262.00	.97	1.35	.91	5
6	265.10	267.00	261.60	1.20	1.68	.86	6
7	266.90	267.40	262.40	.96	1.42	.84	7
8	265.30	268.40	262.60	1.17	1.49	.78	8
9	263.20	273.00	261.10	1.31	1.61	.82	9
10	263.50	266.60	261.40	1.18	1.55	.58	10
11	267.10	271.50	262.00	1.22	1.45	.79	11
12	263.60	265.10	261.60	1.11	1.45	.90	12
13	264.40	265.60	262.80	1.11	1.29	.94	13
14	264.20	265.30	262.80	1.15	1.44	.93	14
15	263.60	265.10	262.90	1.00	1.28	.92	15
16	264.20	264.30	263.50	1.03	1.09	.94	16
17	263.80	264.30	263.30	1.00	1.07	.93	17
18	263.80	265.10	263.30	.91	1.05	.88	18
19	264.20	264.60	263.70	.99	1.08	.94	19
20	264.10	264.40	263.70	1.03	1.11	.94	20
21	262.90	265.30	262.20	.94	1.08	.87	21
22	263.60	264.60	263.30	.98	1.09	.93	22
23	264.10	264.90	263.70	.98	1.11	.87	23
24	263.40	265.10	262.90	1.03	1.17	.89	24
25	263.00	264.30	262.40	1.05	1.09	.95	25
26	264.40	264.90	264.10	.99	1.04	.96	26
27	264.10	264.60	263.70	.94	.99	.93	27
28	263.30	265.10	259.40	1.15	1.31	1.00	28
29	264.10	264.60	263.70	1.00	1.01	.98	29
30	267.10	293.70	256.30	1.08	1.68	.95	30
31	264.50	284.90	256.10	1.33	1.51	.86	31
32	266.30	267.00	264.90	1.02	1.07	.98	32
33	265.80	266.40	264.30	1.06	1.23	.96	33
34	265.90	267.60	265.30	1.11	1.24	1.03	34
35	267.90	268.90	267.00	1.07	1.15	.98	35
36	273.60	284.30	253.70	1.69	1.93	.61	36
37	272.30	273.20	263.90	1.56	1.82	1.02	37
38	264.80	265.40	261.80	.97	1.13	.90	38
39	262.80	266.00	262.20	.97	1.10	.92	39
40	257.70	269.80	255.30	1.04	1.16	.87	40
41	263.10	264.30	262.60	1.01	1.10	.95	41
42	269.80	271.40	265.10	1.00	1.17	.93	42

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116
TSGW 20800 TSGG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	.15	.47	.01	.70	1.74	.84	2
3	.15	.31	.01	.66	1.74	.42	3
4	-.01	.47	.18	.83	1.99	-1.18	4
5	.15	.47	.01	.62	1.99	.59	5
6	.31	.47	.01	.53	1.74	.84	6
7	.31	.47	.18	.33	1.99	.67	7
8	.15	.31	.01	.83	1.49	.17	8
9	.07	.15	.01	.49	1.58	.17	9
10	.07	.31	.01	.58	1.49	.17	10
11	.15	.31	.01	.70	1.49	.26	11
12	-.01	.31	.18	.45	1.83	.59	12
13	.15	.31	.01	.70	1.66	.34	13
14	.15	.31	.01	.49	1.91	.67	14
15	.23	.47	.01	.37	1.83	.67	15
16	-.01	.15	.18	.41	1.41	.17	16
17	.15	.31	.01	.62	1.49	.17	17
18	-.01	.31	.18	.49	1.49	.51	18
19	.15	.31	.01	.74	1.49	.51	19
20	.15	.31	.01	.62	1.49	.51	20
21	.07	.31	.18	.54	1.58	.26	21
22	-.01	.31	.18	.66	1.58	.34	22
23	.07	.31	.18	.58	1.58	.34	23
24	-.01	.31	.18	.66	1.66	.42	24
25	.07	.15	.01	.74	1.49	.17	25
26	.07	.15	.01	.74	1.49	.34	26
27	.07	.15	.01	.58	1.41	.34	27
28	.15	.31	.01	.45	1.49	.51	28
29	.07	.31	.01	.66	1.49	.09	29
30	.07	.47	.18	.24	1.66	.93	30
31	-.01	.31	.18	.66	1.83	.51	31
32	.15	.31	.01	.33	1.58	.42	32
33	.07	.31	.18	.49	1.49	.51	33
34	.07	.15	.01	.74	1.49	.59	34
35	.07	.15	.01	.70	1.49	.34	35
36	-.01	.31	.18	.58	1.74	.42	36
37	.15	.31	.01	.45	1.58	.17	37
38	-.01	.31	.18	.53	1.58	.42	38
39	-.01	.31	.18	.62	1.49	.59	39
40	.15	.31	.01	.74	1.58	.51	40
41	.15	.31	.01	.66	1.58	.42	41
42	-.01	.31	.18	.41	1.58	.84	42

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117
TGW 24300 TCG 444 FWD FLIGHT DATE 08/04/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
1	*****	*****	*****	*****	*****	*****	1
2	284400.00	13190.00	312000.00	270400.00	-1632.00	37050.00	2
17	313800.00	53590.00	398000.00	84060.00	2386.00	46420.00	17
18	284000.00	15310.00	306900.00	267800.00	3725.00	46870.00	18
19	303100.00	18290.00	360500.00	284800.00	12210.00	48210.00	19
20	275900.00	37010.00	347800.00	238900.00	-4756.00	41960.00	20
21	293300.00	21260.00	343500.00	266100.00	-2528.00	95970.00	21
23	81510.00	7656.00	94270.00	73010.00	18000.00	97760.00	23
24	98540.00	7656.00	106200.00	78960.00	6400.00	78110.00	24
25	92580.00	5952.00	105300.00	78110.00	-1632.00	54900.00	25
26	89590.00	5528.00	95980.00	84060.00	4172.00	31250.00	26
27	109800.00	11900.00	136800.00	79810.00	1045.00	66510.00	27
28	272500.00	30200.00	352900.00	172500.00	9072.00	76340.00	28
29	221600.00	32330.00	347300.00	65360.00	9520.00	88380.00	29
30	300100.00	23820.00	395900.00	181900.00	8189.00	43300.00	30
32	345700.00	30200.00	388600.00	272100.00	3725.00	47760.00	32
33	325000.00	30620.00	340100.00	272900.00	-4310.00	50440.00	33
34	247800.00	38700.00	348800.00	69600.00	1036.00	82580.00	34
35	232900.00	42540.00	319700.00	52600.00	7736.00	86600.00	35
36	241000.00	33400.00	312900.00	34730.00	-752.00	79010.00	36
37	242700.00	42960.00	295700.00	36440.00	1940.00	45980.00	37

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117
TGW 24300 TBCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
1	*****	*****	*****	*****	*****	*****	1
2	2600.00	40910.00	2689.00	46250.00	2131.00	48870.00	2
17	5781.00	45910.00	1791.00	52540.00	4332.00	56350.00	17
18	9872.00	49090.00	3139.00	55680.00	7407.00	59430.00	18
19	11690.00	46360.00	20200.00	59270.00	10050.00	55900.00	19
20	5327.00	45450.00	-8089.00	50740.00	2571.00	56350.00	20
21	-8776.00	97720.00	-4952.00	109600.00	-19010.00	111400.00	21
23	1232.00	89540.00	-5400.00	110000.00	-1840.00	93330.00	23
24	-8312.00	75450.00	-912.00	83070.00	-14600.00	78810.00	24
25	2145.00	55000.00	-7190.00	57930.00	-4474.00	59870.00	25
26	-2855.00	30910.00	-2251.00	35030.00	-10640.00	34340.00	26
27	-4222.00	65910.00	-4952.00	70950.00	-13280.00	70440.00	27
28	-1952.00	78180.00	7616.00	93410.00	-13290.00	95980.00	28
29	4688.00	90450.00	8968.00	100100.00	-3600.00	107400.00	29
30	7599.00	46810.00	5833.00	55680.00	4772.00	58550.00	30
32	5781.00	50450.00	-8537.00	53890.00	-1392.00	56790.00	32
33	-2855.00	50000.00	-10340.00	66460.00	-14170.00	64280.00	33
34	14230.00	79080.00	-4752.00	95200.00	-5360.00	95970.00	34
35	12590.00	87260.00	-9440.00	101500.00	8288.00	97300.00	35
36	7592.00	75900.00	-13490.00	92960.00	-1840.00	95090.00	36
37	15780.00	49540.00	-454.00	58380.00	11370.00	58100.00	37

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117
TGW 24300 TBCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
1	285800.00	9504.00	296200.00	265900.00	-2522.00	33890.00	1
2	350600.00	50100.00	400700.00	83660.00	-2128.00	35080.00	2
17	263800.00	7344.00	273700.00	248700.00	631.00	29950.00	17
18	285400.00	22890.00	324700.00	256400.00	-157.50	37050.00	18
19	323400.00	40170.00	363600.00	253000.00	4572.00	37050.00	19
20	291000.00	19000.00	335000.00	254700.00	15600.00	115900.00	20
21	82370.00	5616.00	96620.00	76750.00	2996.00	26800.00	21
23	84960.00	5616.00	94900.00	68990.00	2601.00	15370.00	23
24	81080.00	7768.00	95760.00	69860.00	5360.00	33890.00	24
25	81500.00	4752.00	87980.00	74180.00	-945.50	10250.00	25
27	99220.00	12960.00	113900.00	63810.00	4178.00	29560.00	27
28	260300.00	19870.00	324200.00	169200.00	7331.00	39020.00	28
29	253800.00	91960.00	351500.00	72450.00	2602.00	35080.00	29
30	285400.00	22020.00	325500.00	153600.00	6935.00	67790.00	30
32	246900.00	25910.00	278900.00	134600.00	3390.00	61090.00	32
33	241300.00	29800.00	271100.00	147600.00	8907.00	50050.00	33
34	345000.00	25490.00	346500.00	177000.00	-560.00	80000.00	34
35	359700.00	28070.00	400700.00	206300.00	6536.00	91830.00	35
36	328100.00	17280.00	348000.00	139800.00	-4496.00	73700.00	36
37	222300.00	30660.00	259900.00	44810.00	9301.00	44140.00	37

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117
TGW 24300 TBCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
1	-5609.00	35720.00	-2932.00	33190.00	-7043.00	33820.00	1
2	-3602.00	36120.00	-13250.00	35430.00	173.50	34730.00	2
17	-3602.00	29700.00	-7866.00	29150.00	2429.00	27060.00	17
18	-12830.00	38930.00	-10110.00	36780.00	-8395.00	36980.00	18
19	-391.00	36120.00	-4278.00	39020.00	7840.00	36980.00	19
20	-23680.00	116400.00	4688.00	98220.00	-7952.00	95150.00	20
21	2017.00	25680.00	-6969.00	22880.00	12350.00	19840.00	21
23	3221.00	14050.00	-7418.00	14350.00	11900.00	13080.00	23
24	10.00	33310.00	-3381.00	26460.00	8743.00	27960.00	24
25	411.50	9632.00	-11900.00	12560.00	9194.00	9471.00	25
26	1214.00	29700.00	-4727.00	25120.00	10550.00	25260.00	26
27	-6405.00	39330.00	-689.50	34540.00	-277.50	36980.00	27
28	-6411.00	35720.00	-6969.00	33640.00	-2533.00	36530.00	28
29	4819.00	64610.00	-4279.00	61450.00	12800.00	56370.00	29
30	2418.00	60600.00	-7866.00	51580.00	8743.00	50510.00	30
32	-6411.00	48560.00	-3829.00	44850.00	4232.00	44200.00	32
33	3616.00	84270.00	-10560.00	74010.00	1064.00	80730.00	33
34	5216.00	97120.00	-11910.00	87020.00	12340.00	39290.00	34
35	8432.00	76260.00	-17290.00	69080.00	15950.00	71250.00	35
36	4826.00	46960.00	656.00	38570.00	15060.00	31490.00	36
37							37

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117
T6GW 24500 T6CG 4+4 FWD FLIGHT DATE 08/04/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
1	264.10	264.40	263.90	1.01	1.02	.98	1
2	265.70	272.60	257.50	.86	1.17	.76	2
17	264.70	264.90	264.10	1.00	1.02	.97	18
18	263.90	264.60	263.50	1.01	1.03	.98	19
19	264.60	264.90	263.70	1.01	1.02	.97	20
20	264.70	264.90	263.50	.99	1.02	.97	21
21	264.30	264.90	264.10	1.01	1.03	.97	23
23	264.20	264.60	264.10	1.00	1.02	.97	24
24	264.30	264.60	263.90	.99	1.03	.96	25
25	264.20	264.40	264.10	1.00	1.02	.98	26
26	264.10	264.60	263.50	1.00	1.03	.96	27
27	264.10	266.00	263.10	.96	1.06	.93	28
28	264.80	269.10	259.90	1.03	1.10	.92	29
29	264.70	266.40	263.70	1.01	1.04	.94	30
30	264.80	265.80	263.30	1.00	1.04	.95	32
32	264.20	264.90	263.50	1.01	1.05	.95	33
33	263.30	265.60	261.80	1.05	1.08	.95	34
34	263.50	264.90	261.80	1.01	1.07	.97	35
35	264.30	266.60	260.90	1.01	1.07	.95	36
36	272.10	274.80	264.10	1.04	1.31	.85	37

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117
T6GW 24300 T6CG 4+4 FWD FLIGHT DATE 08/04/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
1							1
2	- .76	.30	-1.33	5.09	5.65	4.46	2
17	1.03	1.93	- .03	4.75	5.65	3.18	17
18	.38	.79	- .03	5.09	5.48	4.29	18
19	-2.79	.14	-3.28	5.22	5.56	3.78	19
20	- .60	- .19	-1.33	4.03	5.56	3.35	20
21	- .43	.79	-1.49	4.88	7.43	4.03	21
23	.46	2.25	.14	3.14	3.69	2.84	23
24	.87	1.93	-1.49	3.31	3.95	3.01	24
25	- .76	2.90	-1.49	1.83	6.41	1.66	25
26	.79	1.11	.14	5.31	5.65	4.88	26
27	-1.82	- .19	-2.14	4.46	4.88	3.95	27
28	1.84	5.83	- .52	5.35	6.58	3.01	28
29	1.68	5.83	-17.61	3.35	7.77	2.08	29
30	-3.85	.14	-4.91	5.52	7.68	3.18	30
32	.73	4.53	-1.82	9.04	9.72	1.06	32
33	- .52	1.76	-1.17	- .76	4.20	-4.11	33
34	- .92	.62	-1.98	5.65	10.82	4.46	34
35	1.60	3.72	- .84	8.02	11.33	4.97	35
36	.22	2.58	-1.33	10.10	12.52	6.58	36
37	- .43	.95	-1.82	3.61	4.80	3.18	37

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	273200.00	16580.00	312800.00	223500.00	-7072.00	93420.00	2
3	195400.00	10200.00	206500.00	181000.00	-3048.00	89400.00	3
5	252800.00	15730.00	274500.00	234500.00	-4840.00	96550.00	5
6	286000.00	17430.00	308500.00	262600.00	-368.00	91180.00	6
7	302100.00	21680.00	346800.00	280400.00	520.00	93860.00	7
8	303400.00	23810.00	347600.00	265200.00	8568.00	91190.00	8
9	189100.00	12330.00	210700.00	169100.00	-7976.00	81800.00	9
10	181000.00	11900.00	194600.00	162300.00	-5288.00	80010.00	10
11	181400.00	12330.00	210700.00	169100.00	-2608.00	78220.00	11
12	201000.00	12320.00	220100.00	178400.00	-3056.00	79570.00	12
13	191600.00	18280.00	239600.00	170800.00	-2608.00	85380.00	13
15	120200.00	10620.00	144800.00	107900.00	72.00	89850.00	15
16	90860.00	10200.00	104500.00	75550.00	-2160.00	80460.00	16
17	23060.00	11050.00	70460.00	17750.00	-376.00	68840.00	17
18	41130.00	14030.00	126600.00	22000.00	-3504.00	85380.00	18
19	200500.00	28060.00	303400.00	172500.00	-4840.00	75990.00	19
20	252800.00	31880.00	306000.00	198000.00	2752.00	91630.00	20
21	204500.00	24660.00	287200.00	128300.00	7680.00	100100.00	21
22	201800.00	30180.00	286400.00	139300.00	4544.00	92530.00	22
23	158900.00	14460.00	211100.00	127400.00	-3496.00	88950.00	23
24	207800.00	14030.00	256600.00	91710.00	-5288.00	91640.00	24
25	187800.00	22100.00	247300.00	115500.00	-4392.00	97900.00	25
26	247300.00	20400.00	289800.00	144400.00	-11540.00	96100.00	26
27	227900.00	34010.00	249200.00	107900.00	-7072.00	91630.00	27
28	172100.00	18280.00	246400.00	91710.00	-10660.00	91630.00	28
29	218800.00	50580.00	270300.00	146100.00	-9760.00	98780.00	29
30	231100.00	47610.00	291500.00	152900.00	-4392.00	103300.00	30
31	278300.00	25080.00	319600.00	195400.00	-11550.00	106800.00	31
32	301300.00	24230.00	334900.00	216700.00	-7976.00	104200.00	32
33	259400.00	24230.00	327200.00	209000.00	-6184.00	104200.00	33
34	259200.00	25500.00	301700.00	180100.00	-9312.00	104600.00	34
35	246400.00	15300.00	272000.00	222600.00	-5736.00	90300.00	35
36	248100.00	17860.00	274500.00	226900.00	80.00	92530.00	36
37	152400.00	18280.00	210700.00	124000.00	-8864.00	109500.00	37
38	321300.00	42510.00	343800.00	204800.00	-7080.00	110400.00	38
39	229400.00	17010.00	242600.00	212400.00	7232.00	93420.00	39
40	225200.00	28060.00	255800.00	191200.00	-2160.00	88510.00	40
41	240900.00	26780.00	247700.00	190300.00	14820.00	95660.00	41
42	293600.00	23380.00	317000.00	264300.00	2312.00	94760.00	42
43	294500.00	27630.00	322300.00	244800.00	-1712.00	88060.00	43
44	289800.00	32300.00	322100.00	256600.00	2760.00	104200.00	44
45	289800.00	34860.00	340000.00	243000.00	3648.00	90740.00	45
46	-27950.00	8289.00	-14560.00	-36230.00	-5730.00	66160.00	46
47	-20930.00	11480.00	-5203.00	-36230.00	-8416.00	75980.00	47
48	-20720.00	15520.00	23910.00	-36230.00	-11100.00	78670.00	48
49	-13700.00	15300.00	5000.00	-36230.00	-10200.00	83140.00	49
50	-23480.00	9778.00	749.00	-36230.00	-7520.00	99230.00	50

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
T8GW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT 41200SDY 41200ALT 41200MAX 41200MIN 41160SDY 41160ALT EVENT

51	34330.00	13180.00	46210.00	-36230.00	-5736.00	99240.00	51
52	260900.00	30610.00	300900.00	21150.00	-368.00	84930.00	52

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	8192.00	92240.00	-16800.00	107500.00	-9176.00	113100.00	2
3	8648.00	90870.00	-16800.00	104800.00	-4776.00	109600.00	3
5	9096.00	93140.00	-24900.00	118300.00	-4336.00	114400.00	5
6	11380.00	88140.00	-21300.00	115600.00	1384.00	107800.00	6
7	11370.00	89960.00	-18590.00	114700.00	2704.00	110000.00	7
8	5920.00	92690.00	1640.00	108800.00	3584.00	107400.00	8
9	5464.00	87690.00	-26700.00	103000.00	-6536.00	105200.00	9
10	7744.00	83400.00	-18600.00	93990.00	-4336.00	101200.00	10
11	8648.00	82700.00	-14100.00	92190.00	-3456.00	101200.00	11
12	10920.00	82230.00	-18600.00	94890.00	-1696.00	101200.00	12
13	17280.00	83150.00	-16800.00	101200.00	2704.00	103800.00	13
15	12280.00	87240.00	-13200.00	106600.00	944.00	107400.00	15
16	11830.00	79510.00	-14550.00	94440.00	64.00	97680.00	16
17	8653.00	69060.00	-14550.00	81850.00	-3016.00	85800.00	17
21	19100.00	94060.00	-1960.00	120500.00	17220.00	110400.00	21
22	20920.00	92230.00	-17700.00	112900.00	12820.00	114800.00	22
23	12740.00	93140.00	-20400.00	109300.00	2264.00	113100.00	23
24	12280.00	94500.00	-27140.00	115100.00	1384.00	114000.00	24
25	12730.00	96780.00	-13650.00	118700.00	-6536.00	125400.00	25
26	9096.00	101300.00	-29840.00	118700.00	-3456.00	125000.00	26
27	11380.00	96320.00	-22640.00	109700.00	1384.00	117500.00	27
28	10020.00	98590.00	-32980.00	115600.00	-3896.00	122800.00	28
29	-10430.00	106300.00	-19940.00	124100.00	-28100.00	131100.00	29
30	928.00	107700.00	-9152.00	128600.00	-25900.00	131600.00	30
31	5472.00	107700.00	-25790.00	128200.00	-9176.00	133300.00	31
32	4104.00	103600.00	-23540.00	123200.00	-11380.00	125800.00	32
33	-440.00	108100.00	-22640.00	126800.00	-15340.00	132400.00	33
34	5008.00	105400.00	-20390.00	125500.00	-6096.00	129400.00	34
35	5920.00	92690.00	-25340.00	107900.00	-5656.00	113100.00	35
36	9552.00	88140.00	-11850.00	108800.00	6664.00	109600.00	36
37	2288.00	110900.00	-22640.00	131300.00	-17540.00	139000.00	37
38	-1352.00	109000.00	-13200.00	130900.00	-17100.00	127200.00	38
39	8648.00	91780.00	2536.00	108800.00	-2576.00	116200.00	39
40	8648.00	89050.00	-7808.00	106600.00	-5656.00	108700.00	40
41	19100.00	93140.00	-10630.00	110600.00	-12260.00	112600.00	41
42	16380.00	87690.00	-2408.00	111100.00	12820.00	107800.00	42
43	12740.00	84050.00	-14550.00	111500.00	9744.00	105600.00	43
44	9560.00	99050.00	-7800.00	125500.00	2264.00	120100.00	44
45	24550.00	85870.00	-4208.00	108400.00	22060.00	106500.00	45
46	7743.00	69060.00	-22190.00	78700.00	-6536.00	87560.00	46
47	8192.00	81330.00	-24900.00	93090.00	-5656.00	104300.00	47
48	11830.00	87690.00	-22650.00	98940.00	-2576.00	110900.00	48
49	2744.00	91320.00	-25340.00	105200.00	-11820.00	115700.00	49
50	-440.00	101800.00	-22650.00	124100.00	-19740.00	124500.00	50

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
51	14550.00	95860.00	-23540.00	118700.00	1384.00	121000.00	51
52	6376.00	86780.00	-3304.00	98490.00	7544.00	98120.00	52

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
T6GW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	335900.00	15690.00	343400.00	310000.00	7632.00	89810.00	2
3	254900.00	11880.00	272700.00	241300.00	4872.00	89420.00	3
5	284100.00	14840.00	304900.00	269300.00	7640.00	97690.00	5
6	309200.00	16970.00	320400.00	284600.00	11180.00	98870.00	6
7	336300.00	21210.00	345100.00	310800.00	15910.00	106000.00	7
8	324500.00	32660.00	359200.00	293900.00	14730.00	123700.00	8
9	258700.00	11460.00	283700.00	243800.00	2520.00	83110.00	9
10	245100.00	10180.00	280300.00	248900.00	2512.00	74450.00	10
11	280700.00	8056.00	293900.00	262500.00	2512.00	70510.00	11
12	304500.00	9752.00	319300.00	290500.00	152.00	72870.00	12
13	312600.00	11880.00	338800.00	294700.00	544.00	70900.00	13
15	193400.00	9760.00	206500.00	156500.00	1328.00	89810.00	15
16	142900.00	7632.00	153100.00	131000.00	-1816.00	78780.00	16
17	75060.00	10180.00	169000.00	62340.00	-6938.00	71300.00	17
18	167300.00	11020.00	208200.00	86080.00	5272.00	85860.00	18
19	332900.00	18660.00	383000.00	287100.00	9608.00	93350.00	19
20	338400.00	28420.00	396500.00	287100.00	-1424.00	76020.00	20
21	340100.00	25870.00	396500.00	273500.00	1336.00	104000.00	21
22	332100.00	31380.00	396500.00	238800.00	2512.00	88620.00	22
23	287100.00	17810.00	319300.00	213300.00	4880.00	87060.00	23
24	266700.00	17820.00	325500.00	174300.00	5272.00	88230.00	24
25	305300.00	31810.00	348500.00	248900.00	-2216.00	125700.00	25
26	335900.00	29260.00	378700.00	201400.00	2120.00	126100.00	26
27	274500.00	29260.00	328700.00	184500.00	-248.00	91380.00	27
28	248100.00	17820.00	280300.00	215000.00	-632.00	96500.00	28
29	292200.00	40220.00	375300.00	187900.00	-2208.00	100400.00	29
30	319300.00	69560.00	394800.00	204000.00	-4176.00	109500.00	30
31	324500.00	23330.00	359200.00	249800.00	25750.00	133100.00	31
32	328200.00	25020.00	355800.00	248100.00	12760.00	142200.00	32
33	325700.00	30110.00	376200.00	256600.00	19460.00	155200.00	33
34	298600.00	21630.00	329500.00	212500.00	9608.00	129600.00	34
35	249700.00	17380.00	293900.00	249800.00	4488.00	100800.00	35
36	271400.00	15690.00	287100.00	248900.00	14730.00	93750.00	36
37	291400.00	33080.00	324400.00	215900.00	20630.00	166600.00	37
38	340100.00	30110.00	373600.00	226000.00	26540.00	134700.00	38
39	244600.00	15700.00	286300.00	241300.00	14340.00	97300.00	39
40	248100.00	30540.00	278600.00	210800.00	12750.00	94930.00	40
41	239200.00	30960.00	287100.00	208200.00	-6544.00	100000.00	41
42	303200.00	21210.00	324400.00	266800.00	9608.00	92570.00	42
43	307500.00	22900.00	342200.00	266800.00	13940.00	90590.00	43
44	299400.00	41980.00	341400.00	257400.00	14340.00	97300.00	44
45	311700.00	36470.00	359200.00	253200.00	23000.00	93350.00	45
46	233200.00	12720.00	36040.00	2115.00	-12060.00	70120.00	46
47	17810.00	16540.00	47920.00	-2126.00	-12850.00	79570.00	47
48	26290.00	14840.00	75900.00	-419.00	-11660.00	81540.00	48
49	23070.00	27570.00	46580.00	5508.00	-9696.00	85090.00	49
50	37310.00	29260.00	99650.00	-2974.00	8424.00	94540.00	50

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AIRCRAFT SLP1 FLIGHT 119
TGW 24300 TOCG 13.2 FWD . FLIGHT DATE 08/05/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
51	119200.00	20360.00	179400.00	-2126.00	-10090.00	75240.00	51
52	306600.00	31380.00	396500.00	93710.00	-1424.00	81540.00	52

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TGW 24300 TOCG 13+2 FWD FLIGHT DATE 08/05/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-4784.00	91280.00	-9984.00	82820.00	1968.00	82460.00	2
3	-1584.00	94480.00	-9984.00	81920.00	6024.00	85620.00	3
5	-4376.00	100500.00	-5504.00	88190.00	1968.00	93280.00	5
6	-5176.00	99690.00	-144.00	87300.00	-280.00	91930.00	6
7	-9184.00	106900.00	4344.00	94460.00	-5240.00	97780.00	7
8	-776.00	119300.00	-1920.00	109700.00	-2992.00	101800.00	8
9	-2776.00	88470.00	-7752.00	77000.00	2424.00	81110.00	9
10	424.00	77270.00	-10880.00	69390.00	7832.00	70300.00	10
11	2024.00	72460.00	-9982.00	65810.00	9179.00	65330.00	11
12	4032.00	73660.00	-12670.00	69390.00	9632.00	69390.00	12
13	4432.00	70860.00	-11330.00	68050.00	8283.00	67140.00	13
15	-3184.00	92080.00	-10880.00	82820.00	4216.00	83520.00	15
16	1624.00	80870.00	-18040.00	71190.00	10080.00	78860.00	16
17	8832.00	74460.00	-19380.00	70730.00	18200.00	70750.00	17
18	-3184.00	92080.00	-6856.00	80580.00	6024.00	85620.00	18
19	2424.00	96090.00	1208.00	84170.00	8280.00	88780.00	19
20	-7584.00	78860.00	-9088.00	72080.00	-7496.00	77510.00	20
21	-10390.00	100100.00	-9096.00	96250.00	-5248.00	101400.00	21
22	424.00	97290.00	-9984.00	84610.00	6480.00	93280.00	22
23	-3176.00	86470.00	-3720.00	81030.00	1512.00	81110.00	23
24	-3584.00	90080.00	-3272.00	81480.00	-6592.00	82910.00	24
25	-9984.00	134900.00	-7752.00	120000.00	-6144.00	128400.00	25
26	-15190.00	125700.00	-5512.00	122200.00	-14260.00	117600.00	26
27	-10780.00	95680.00	-7744.00	86850.00	-6144.00	88770.00	27
28	-5576.00	101700.00	-9088.00	90880.00	1072.00	95980.00	28
29	-12790.00	97690.00	-7296.00	90880.00	-5696.00	87420.00	29
30	-14790.00	104100.00	-10440.00	99380.00	-15610.00	91030.00	30
31	-14790.00	124100.00	-1032.00	120400.00	-11100.00	112700.00	31
32	-14790.00	133300.00	-3272.00	122700.00	-14700.00	114500.00	32
33	424.00	156500.00	-5504.00	132100.00	-288.00	134300.00	33
34	-8784.00	124100.00	-1032.00	120400.00	-12900.00	112700.00	34
35	-4776.00	103300.00	-3712.00	89090.00	-1640.00	95080.00	35
36	-4384.00	91680.00	2096.00	85060.00	1064.00	84260.00	36
37	-14790.00	160100.00	-4616.00	144600.00	-21460.00	151900.00	37
38	-28000.00	126500.00	5232.00	105200.00	-21460.00	107700.00	38
39	-8384.00	96480.00	5232.00	93570.00	-7496.00	90120.00	39
40	-9984.00	93680.00	4336.00	85500.00	2416.00	84720.00	40
41	-5976.00	100500.00	-20290.00	88640.00	-3888.00	93730.00	41
42	-2384.00	94480.00	6128.00	86400.00	-280.00	89220.00	42
43	8432.00	95680.00	6128.00	83710.00	13240.00	89220.00	43
44	-1576.00	100900.00	7024.00	89090.00	2424.00	89220.00	44
45	-26400.00	95280.00	19570.00	81030.00	10980.00	86070.00	45
46	11240.00	68060.00	-26550.00	76110.00	22250.00	70290.00	46
47	9232.00	74860.00	-26550.00	83270.00	17300.00	77060.00	47
48	5624.00	79270.00	-24310.00	82830.00	12780.00	77950.00	48
49	4432.00	77260.00	-28330.00	84160.00	11430.00	77510.00	49
50	-111180.00	94480.00	-1928.00	95350.00	2416.00	96430.00	50

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AIRCRAFT SLP1 FLIGHT 119

TGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
51	8432.00	75660.00	-9982.00	68500.00	8280.00	68040.00	51
52	4824.00	79270.00	-11780.00	74770.00	8272.00	74350.00	52

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
T8GW 2400 TOCG 13+2 FWD FLIGHT DATE 08/05/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.70	264.90	263.70	1.04	1.08	.94	2
3	264.50	264.60	263.90	1.03	1.05	1.00	3
5	264.40	264.50	263.70	1.05	1.06	.99	5
6	263.70	264.40	263.50	.98	1.02	.97	6
7	263.90	264.10	263.30	.98	1.03	.93	7
8	264.30	264.60	263.50	1.06	1.08	.92	8
9	264.40	264.60	263.30	1.01	1.05	.96	9
10	263.80	264.30	263.70	.99	1.02	.98	10
11	264.40	264.60	263.90	.95	1.00	.94	11
12	264.00	264.40	263.90	1.01	1.03	.99	12
13	264.30	264.60	263.90	1.01	1.02	.97	13
15	264.70	266.00	264.10	1.05	1.10	.93	15
16	264.80	265.10	263.10	1.01	1.06	.97	16
17	264.80	267.60	263.90	1.00	1.04	.96	17
18	263.10	265.30	260.90	1.20	1.24	1.10	18
19	264.50	265.80	263.10	.99	1.21	.92	19
20	264.00	264.60	263.30	1.06	1.23	1.03	20
21	263.40	265.40	262.60	1.20	1.34	.98	21
22	263.50	266.50	262.60	1.10	1.24	1.01	22
23	264.80	265.80	262.60	1.16	1.24	.97	23
24	264.60	265.60	262.00	1.19	1.26	.98	24
25	264.80	265.80	262.20	1.06	1.48	1.00	25
26	263.10	267.30	262.20	1.06	1.43	.99	26
27	266.70	267.20	262.80	.98	1.26	.76	27
28	266.40	267.90	261.80	1.14	1.31	.80	28
29	267.10	271.40	262.20	1.20	1.47	.91	29
30	267.30	271.40	262.60	1.20	1.51	.96	30
31	263.80	265.30	263.10	1.06	1.23	.95	31
32	264.20	265.30	262.80	1.33	1.63	.92	32
33	264.90	265.30	262.40	1.17	1.31	.93	33
34	264.80	265.40	262.40	1.01	1.32	.98	34
35	264.70	265.10	263.50	1.05	1.07	.99	35
36	264.80	265.10	264.10	1.03	1.08	1.00	36
37	266.20	267.00	262.80	1.06	1.41	.94	37
38	266.20	270.10	262.00	1.12	1.41	.96	38
39	264.70	265.10	263.30	.98	1.06	.95	39
40	264.20	264.60	263.70	.96	1.05	.93	40
41	262.80	266.00	262.20	.94	1.08	.85	41
42	264.30	264.40	263.90	1.01	1.04	.99	42
43	263.70	264.30	263.50	.95	1.02	.93	43
44	263.90	265.30	263.30	1.00	1.05	.93	44
45	264.10	264.40	263.50	.95	1.04	.89	45
46	282.20	286.70	272.40	.95	1.11	.83	46
47	271.10	289.70	267.00	1.05	1.35	.80	47
48	267.10	284.50	259.90	1.28	1.41	.85	48
49	271.50	272.60	265.60	1.28	1.48	.82	49
50	286.70	296.60	263.10	1.67	1.30	.76	50

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TGW 24.00 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
51	271.10	295.80	256.80	1.48	1.61	.94	51
52	260.40	264.90	259.40	.98	1.12	.94	52

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TGW 24300 TOCG 13+2 FWD FLIGHT DATE 08/05/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	1.20	3.25	-1.18	-0.56	.33	-4.09	2
3	-.36	-.20	-1.35	-1.28	-.69	-1.96	3
5	.71	1.28	.46	-3.37	-1.96	-4.35	5
6	.13	1.28	-.69	-5.15	-4.01	-5.71	6
7	-1.18	.30	-1.51	-5.07	-4.35	-6.98	7
8	1.53	2.43	-.36	-4.56	-2.64	-6.56	8
9	-.03	.13	-.85	-.35	-.18	-2.22	9
10	-.03	.46	-.36	-.69	-.43	-1.45	10
11	-.03	.13	-.69	-1.45	.33	-1.88	11
12	-.03	.30	-.36	.97	1.52	-.35	12
13	-.36	.30	-1.18	2.03	2.63	-.35	13
15	-.11	.95	-.85	-3.49	-2.39	-4.35	15
16	.13	1.12	-.03	-2.22	-1.37	-2.64	16
17	-.11	.46	-.52	-1.84	-1.28	-3.07	17
18	.46	.95	.13	1.61	2.46	1.27	18
19	-19.73	.30	-34.51	2.97	15.73	1.35	19
20	9.24	32.64	-.69	9.52	11.56	-1.79	20
21	-21.95	-.3.15	-46.66	3.31	11.31	-.86	21
22	7.52	31.82	-4.96	-2.22	7.99	-4.43	22
23	10.64	31.98	-1.02	.76	4.59	-1.88	23
24	-8.40	3.42	-35.49	.21	3.56	-4.35	24
25	-14.81	1.45	-45.67	1.31	4.93	-1.28	25
26	23.77	42.98	-.03	-1.20	1.61	-5.96	26
27	-.44	1.28	-.85	-2.90	6.80	-13.11	27
28	-1.02	-.03	-1.84	-7.83	9.35	-16.43	28
29	.21	.95	-.52	-.82	-.18	-3.07	29
30	.21	.79	-.20	-.82	-.35	-2.90	30
31	-2.41	6.37	-29.91	1.10	2.80	-4.35	31
32	9.00	32.64	-3.64	-4.18	.67	-6.22	32
33	13.51	34.11	-1.84	-3.20	1.01	-8.94	33
34	-7.99	5.71	-37.30	-4.18	.33	-6.13	34
35	-3.07	-1.84	-3.81	-4.01	-3.49	-4.26	35
36	2.35	2.60	1.77	-5.58	-3.75	-5.79	36
37	-.4.96	-3.81	-6.43	6.84	10.63	3.99	37
38	.46	.95	-.85	-5.32	-4.26	-5.79	38
39	-2.25	-.85	-3.15	-4.43	-3.84	-4.86	39
40	.46	1.12	.13	-5.32	-4.09	-6.05	40
41	-.69	-.20	-1.35	-3.88	-3.15	-5.96	41
42	-.52	1.28	-1.35	-5.24	-4.52	-5.71	42
43	-.36	.95	-.85	-5.24	-4.60	-5.71	43
44	1.61	2.27	1.28	-4.52	-4.26	-5.03	44
45	.87	1.45	.30	-5.28	-4.60	-6.47	45
46	.38	.63	-1.18	1.06	2.80	-4.09	46
47	-8.40	-1.18	-30.89	.38	1.86	-5.71	47
48	15.81	39.70	6.37	-7.62	-.52	-11.58	48
49	-.36	1.12	-.52	-2.18	.42	-4.35	49
50	-1.10	.13	-3.15	-1.41	5.35	-8.43	50

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AIRCRAFT SLP1 FLIGHT 119
T8GW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
51	-18.67	-1.84	-47.64	7.05	9.09	-7.83	51
52	1.69	4.89	-1.84	5.56	8.58	.33	52

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TOW 24300 TCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	289400.00	19570.00	320800.00	263900.00	-7315.00	47400.00	2
3	277500.00	24680.00	359100.00	229800.00	-2848.00	84960.00	3
4	278700.00	15740.00	331900.00	263000.00	-8664.00	91660.00	4
5	293200.00	9784.00	312400.00	274100.00	-6872.00	86300.00	5
6	258700.00	16170.00	299600.00	239200.00	-8664.00	91660.00	6
7	282600.00	11060.00	299600.00	269800.00	-8664.00	88090.00	7
8	271900.00	14040.00	291900.00	257900.00	-6424.00	84950.00	8
9	261300.00	11910.00	275800.00	249400.00	-9560.00	88980.00	9
10	178300.00	12340.00	190700.00	162600.00	-11340.00	90770.00	10
11	162600.00	14460.00	179600.00	145600.00	-10450.00	90770.00	11
12	175400.00	9360.00	184700.00	165200.00	-3741.00	65280.00	12
13	238300.00	16170.00	255300.00	186400.00	-9560.00	77350.00	13
14	222200.00	15310.00	240900.00	201700.00	-7768.00	72890.00	14
15	171500.00	15740.00	202600.00	151500.00	-3738.00	56340.00	15
16	148600.00	11060.00	183900.00	151500.00	-1055.00	52760.00	16
17	209000.00	16590.00	232400.00	161700.00	-2844.00	53660.00	17
18	197900.00	21700.00	234900.00	163500.00	733.50	51870.00	18
19	230700.00	18720.00	256200.00	168600.00	-5527.00	69750.00	19
20	225600.00	16170.00	247700.00	192400.00	-7317.00	69760.00	20
21	194100.00	17020.00	221300.00	177100.00	5200.00	74220.00	21
22	201300.00	26800.00	230700.00	154100.00	-2398.00	65730.00	22
23	212000.00	24670.00	236600.00	171100.00	2520.00	78700.00	23
24	144000.00	30630.00	206800.00	92830.00	-10900.00	89420.00	24
25	235400.00	47220.00	282600.00	120100.00	-5088.00	84510.00	25
26	218300.00	43820.00	286800.00	131100.00	-11350.00	85400.00	26
28	2n8500.00	10210.00	220500.00	194100.00	-5080.00	55000.00	28
29	2n2200.00	14040.00	224700.00	183900.00	-1957.00	64400.00	29
30	2n8600.00	21270.00	232400.00	187300.00	4744.00	78250.00	30
31	194600.00	33180.00	255300.00	163500.00	-9551.00	73780.00	31
32	213600.00	24670.00	228300.00	180500.00	2960.00	85410.00	32
33	191100.00	27650.00	274900.00	149800.00	-3294.00	66630.00	33
34	206800.00	23820.00	269800.00	143000.00	-4635.00	64390.00	34
35	140100.00	28500.00	246400.00	91980.00	4311.00	60810.00	35
36	261300.00	34030.00	295300.00	176200.00	-7765.00	70200.00	36
37	249400.00	36580.00	286000.00	142200.00	-1957.00	64400.00	37
38	1n7700.00	12340.00	120900.00	87730.00	2969.00	48740.00	38
39	13290.00	8934.00	24980.00	-6707.00	2522.00	41140.00	39
40	-9685.00	8934.00	12010.00	-22870.00	-608.00	39800.00	40
41	125600.00	13190.00	279200.00	4354.00	-2844.00	62600.00	41
42	-30320.00	6594.00	-23720.00	-36910.00	10120.00	58570.00	42
43	-24910.00	9997.00	100.00	-36910.00	11020.00	52310.00	43
44	14690.00	14890.00	40940.00	-36910.00	-9110.00	63500.00	44
45	-24150.00	8934.00	-14360.00	-36910.00	2969.00	39800.00	45
46	-15640.00	9785.00	14560.00	-36910.00	-3739.00	61700.00	46
47	-21590.00	5318.00	-24570.00	-36910.00	12360.00	50970.00	47
48	-29890.00	7020.00	-19470.00	-36910.00	11010.00	55890.00	48
49	-19040.00	8934.00	17970.00	-36910.00	-5974.00	57680.00	49

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TGW 24300 TBCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
50	-72020.00	11910.00	14560.00	-36910.00	-14920.00	71990.00	50
51	-14890.00	10640.00	-6707.00	-36910.00	-11800.00	87640.00	51
52	-13510.00	16170.00	6907.00	-36910.00	-10000.00	82270.00	52
53	-5430.00	17440.00	32430.00	-36910.00	-9560.00	104200.00	53
54	-27130.00	5956.00	-20320.00	-36910.00	-17610.00	113100.00	54
56	142600.00	9360.00	176200.00	140500.00	-6432.00	84060.00	56
57	178300.00	10630.00	195800.00	165200.00	-6424.00	86740.00	57
59	258300.00	19140.00	292800.00	238300.00	-1960.00	85850.00	59
60	284700.00	20840.00	308100.00	248500.00	-616.00	85400.00	60
61	325500.00	25100.00	358300.00	288500.00	280.00	86300.00	61
62	334900.00	23390.00	370200.00	308900.00	2960.00	88080.00	62
63	79650.00	16590.00	161700.00	-36910.00	-1504.00	91660.00	63
64	274900.00	31480.00	329400.00	-5005.00	7432.00	87190.00	64

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLPI FLIGHT 121
TGW 24300 TBCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	-8844.00	47290.00	-3071.00	58430.00	-5834.00	56360.00	2
3	10250.00	88220.00	-22860.00	111500.00	6488.00	110100.00	3
4	6152.00	91400.00	-17020.00	110100.00	4728.00	111000.00	4
5	11160.00	85500.00	-10270.00	101600.00	7808.00	104400.00	5
6	8888.00	91400.00	-12520.00	109200.00	6928.00	111400.00	6
7	9336.00	88220.00	-10260.00	104300.00	5168.00	108800.00	7
8	10250.00	86410.00	-9376.00	101600.00	6048.00	106100.00	8
9	4336.00	89580.00	-13860.00	103400.00	-560.00	109200.00	9
10	3880.00	96410.00	-19260.00	106100.00	-552.00	115400.00	10
11	5240.00	97770.00	-17010.00	106500.00	1208.00	117100.00	11
12	7976.00	61380.00	-7120.00	78660.00	4728.00	73100.00	12
13	7064.00	75940.00	-17910.00	91240.00	-1432.00	90710.00	13
14	3424.00	70480.00	-12070.00	85400.00	-2320.00	85420.00	14
15	9801.00	52300.00	-7119.00	67870.00	4734.00	65170.00	15
16	10260.00	50020.00	-6222.00	62480.00	6496.00	58130.00	16
17	8891.00	49570.00	-8472.00	63830.00	4287.00	62080.00	17
18	5708.00	50020.00	-3970.00	60230.00	3854.00	57240.00	18
19	7072.00	65940.00	-12520.00	84060.00	1200.00	83660.00	19
20	5706.00	66390.00	-9824.00	82260.00	-120.00	82340.00	20
21	5707.00	67300.00	1872.00	87650.00	20140.00	81460.00	21
22	8432.00	61840.00	-6224.00	76860.00	-3200.00	76620.00	22
23	7976.00	76860.00	6808.00	93500.00	6928.00	92910.00	23
24	4616.00	89130.00	-25560.00	109700.00	-5848.00	114500.00	24
25	16160.00	84130.00	-9824.00	101100.00	13980.00	100800.00	25
26	1152.00	77310.00	-74210.00	102900.00	-10250.00	94230.00	26
28	5708.00	52750.00	-8470.00	64730.00	-553.00	66060.00	28
29	9794.00	58650.00	-6672.00	76420.00	5608.00	73100.00	29
30	696.00	76860.00	1864.00	93940.00	-560.00	85420.00	30
31	8437.00	70940.00	-13870.00	87200.00	-552.00	89830.00	31
32	8424.00	78220.00	-3528.00	104700.00	-2320.00	97760.00	32
33	7524.00	63660.00	-10720.00	78660.00	6928.00	76180.00	33
34	8430.00	60020.00	-11620.00	76860.00	760.00	76180.00	34
35	8437.00	55480.00	1416.00	70120.00	5614.00	66050.00	35
36	12980.00	68210.00	-15220.00	82260.00	17940.00	79260.00	36
37	10710.00	68670.00	-4424.00	75960.00	12660.00	76620.00	37
38	7982.00	45930.00	-1723.00	58880.00	5615.00	55480.00	38
39	10710.00	39560.00	-6218.00	48090.00	3413.00	49760.00	39
40	11160.00	37290.00	-8915.00	46300.00	2533.00	48000.00	40
41	9342.00	60930.00	-7576.00	75510.00	2528.00	75300.00	41
42	9340.00	60020.00	3664.00	69660.00	7373.00	68690.00	42
43	7982.00	54110.00	-10720.00	61590.00	5167.00	62080.00	43
44	4798.00	68210.00	-26890.00	78660.00	-5400.00	89380.00	44
45	11170.00	36380.00	-7567.00	46750.00	6496.00	47560.00	45
46	12520.00	61380.00	-15660.00	75520.00	5168.00	79700.00	46
47	10260.00	52750.00	5916.00	60230.00	9138.00	59890.00	47
48	9345.00	57300.00	2769.00	64270.00	7374.00	66050.00	48
49	8891.00	58660.00	-20160.00	71030.00	-120.00	77060.00	49

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
T6GW 24300 T6CG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
50	-1576.00	77300.00	-27350.00	97990.00	-12000.00	103000.00	50
51	7976.00	93220.00	-25100.00	105600.00	-1000.00	117600.00	51
52	10250.00	82760.00	-23310.00	97540.00	760.00	105200.00	52
53	-4760.00	108700.00	-21060.00	136600.00	-16410.00	139100.00	53
54	2064.00	120000.00	-31850.00	147400.00	-9368.00	154100.00	54
56	8888.00	86860.00	-13420.00	97540.00	3400.00	103500.00	56
57	7520.00	88220.00	-11620.00	101100.00	320.00	107400.00	57
59	12530.00	84130.00	-4432.00	102000.00	8256.00	103000.00	59
60	12520.00	82310.00	-2632.00	100200.00	7808.00	100800.00	60
61	10250.00	87300.00	512.00	101600.00	14420.00	101300.00	61
62	12980.00	86400.00	1864.00	102900.00	13980.00	101700.00	62
63	8888.00	91400.00	-8472.00	108800.00	328.00	115400.00	63
64	15260.00	85940.00	-4120.00	99780.00	17940.00	96880.00	64

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121

TGW 24300 TBCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	273300.00	13650.00	305700.00	249400.00	-3167.00	29640.00	2
3	375300.00	17500.00	392800.00	303200.00	1960.00	72710.00	3
4	358600.00	12800.00	374000.00	330500.00	6704.00	86140.00	4
5	358400.00	9384.00	370600.00	338100.00	5912.00	72710.00	5
6	358200.00	14940.00	381700.00	328800.00	2360.00	74680.00	6
7	355600.00	9816.00	347200.00	344100.00	5120.00	75870.00	7
8	360800.00	8960.00	349700.00	342400.00	4337.00	68750.00	8
9	342400.00	11090.00	354400.00	327900.00	6312.00	81800.00	9
10	256700.00	10670.00	271600.00	245100.00	5912.00	84570.00	10
11	242200.00	12380.00	243900.00	229800.00	5520.00	86540.00	11
12	260900.00	9816.00	276700.00	251100.00	-795.00	40700.00	12
13	272400.00	11100.00	304000.00	257900.00	4737.00	58090.00	13
14	275400.00	8960.00	292900.00	266500.00	3552.00	58480.00	14
15	274600.00	11520.00	298900.00	262200.00	785.00	35960.00	15
16	294200.00	9816.00	305700.00	281800.00	4737.00	32800.00	16
17	319400.00	13650.00	340700.00	290400.00	7108.00	33590.00	17
18	339900.00	17920.00	368900.00	313400.00	3947.00	41490.00	18
19	279300.00	11940.00	320200.00	246800.00	-795.50	44650.00	19
20	295900.00	13220.00	314300.00	273300.00	2366.00	47020.00	20
21	275900.00	19630.00	295500.00	252800.00	-1586.00	43860.00	21
22	263500.00	28580.00	309100.00	234900.00	10270.00	40700.00	22
23	244900.00	30720.00	300600.00	233200.00	-400.00	58480.00	23
24	249800.00	24320.00	292900.00	187100.00	-4360.00	77450.00	24
25	339000.00	33280.00	346300.00	193100.00	3156.00	54140.00	25
26	310800.00	57180.00	374000.00	209300.00	9084.00	50580.00	26
28	243500.00	15780.00	282700.00	246000.00	-1981.00	48210.00	28
29	263900.00	10240.00	278400.00	249400.00	1576.00	36750.00	29
30	271200.00	15780.00	298000.00	251100.00	12250.00	51370.00	30
31	274600.00	33710.00	308300.00	223800.00	-5538.00	52560.00	31
32	240100.00	32860.00	301500.00	227200.00	13030.00	67960.00	32
33	330000.00	32860.00	381700.00	255400.00	1181.00	58480.00	33
34	315100.00	26460.00	358600.00	263100.00	4735.00	67570.00	34
35	334300.00	26880.00	377400.00	246800.00	1576.00	49390.00	35
36	333500.00	43090.00	397900.00	241700.00	2761.00	30820.00	36
37	326600.00	44800.00	397900.00	243400.00	1576.00	34380.00	37
38	182000.00	8528.00	266700.00	173500.00	1181.00	39520.00	38
39	101800.00	8536.00	111200.00	72750.00	2761.00	30820.00	39
40	91530.00	8536.00	100100.00	56550.00	4737.00	29640.00	40
41	284000.00	21760.00	340700.00	119700.00	-400.00	63230.00	41
42	50150.00	14080.00	45940.00	19850.00	7503.00	50580.00	42
43	58250.00	14500.00	72750.00	1933.00	9874.00	54530.00	43
44	44790.00	20480.00	106000.00	15590.00	2761.00	43470.00	44
45	36920.00	9387.00	59960.00	20710.00	1181.00	28450.00	45
46	81720.00	23460.00	115400.00	28390.00	4737.00	42280.00	46
47	21560.00	9387.00	48020.00	11320.00	4342.00	43470.00	47
48	34360.00	10240.00	48870.00	10470.00	5922.00	53740.00	48
49	58680.00	20050.00	81300.00	18150.00	5527.00	43070.00	49

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TGW 24300 TCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
50	72330.00	22610.00	161800.00	30090.00	2366.00	46230.00	50
51	44180.00	15790.00	49340.00	-627.00	1176.00	79030.00	51
52	74600.00	20050.00	96660.00	16440.00	-1592.00	70730.00	52
53	85990.00	38830.00	143200.00	5347.00	-2384.00	92860.00	53
54	80440.00	31570.00	129100.00	8760.00	-9388.00	79820.00	54
56	217400.00	12380.00	231500.00	196500.00	-800.00	83380.00	56
57	225900.00	12380.00	246000.00	211000.00	1568.00	86540.00	57
59	280600.00	15780.00	301500.00	258800.00	10660.00	81410.00	59
60	285200.00	18780.00	316000.00	263900.00	10660.00	82190.00	60
61	318100.00	26030.00	350900.00	282700.00	14610.00	90100.00	61
62	324500.00	23890.00	356100.00	300600.00	12630.00	86540.00	62
63	170500.00	24320.00	270700.00	-1480.00	3144.00	81800.00	63
64	282700.00	21340.00	386800.00	65940.00	3144.00	76260.00	64

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
T8GW 24300 T8CG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-8622.00	32160.00	-7271.00	30560.00	-9178.00	33020.00	2
3	-2600.00	73560.00	-1888.00	68300.00	-134.50	65590.00	3
4	-5816.00	88040.00	3504.00	79090.00	-4656.00	80060.00	4
5	-4608.00	74770.00	-1888.00	69200.00	-2847.00	68310.00	5
6	-2600.00	78390.00	-2336.00	72350.00	768.00	71920.00	6
7	-4608.00	77980.00	2608.00	70110.00	-1944.00	69210.00	7
8	-2600.00	68740.00	-980.00	63810.00	-130.50	61070.00	8
9	-6224.00	84420.00	3056.00	74140.00	-3304.00	74180.00	9
10	-6616.00	88840.00	3952.00	76850.00	-3752.00	79160.00	10
11	-8232.00	88840.00	3952.00	78640.00	-5560.00	79160.00	11
12	-2593.00	39800.00	-4575.00	44040.00	-3750.00	41160.00	12
13	-11440.00	51860.00	4862.00	57970.00	-10080.00	52920.00	13
14	-9426.00	52260.00	2616.00	58420.00	-9178.00	52920.00	14
15	-2995.00	36980.00	-6373.00	34150.00	-1036.00	34830.00	15
16	-2995.00	35370.00	-2328.00	31910.00	2583.00	33020.00	16
17	-3397.00	35780.00	368.00	33700.00	3036.00	31660.00	17
18	-2592.00	44620.00	3065.00	38200.00	321.50	38900.00	18
19	-4200.00	42210.00	-7721.00	45390.00	-1940.00	42970.00	19
20	-7014.00	42610.00	-530.50	46290.00	-5559.00	42970.00	20
21	-2191.00	52260.00	-8620.00	44490.00	-5559.00	52020.00	21
22	-4210.00	40200.00	-1879.00	41340.00	-11440.00	41620.00	22
23	-7819.00	57080.00	-6375.00	59320.00	-7821.00	55190.00	23
24	-1392.00	88430.00	-12220.00	81340.00	-1488.00	83230.00	24
25	-16260.00	56680.00	818.00	55720.00	-15060.00	55190.00	25
26	-8220.00	49440.00	5761.00	48080.00	-2845.00	49310.00	26
28	-5004.00	43820.00	-4575.00	46740.00	-1488.00	45230.00	28
29	-4201.00	34170.00	-2778.00	36850.00	-131.00	33930.00	29
30	-984.50	50250.00	15200.00	53920.00	2583.00	52020.00	30
31	-11840.00	48240.00	-9968.00	53930.00	-10080.00	46590.00	31
32	-2593.00	61500.00	8001.00	69200.00	-8275.00	61070.00	32
33	-2593.00	57480.00	-979.50	57520.00	321.50	54280.00	33
34	1428.00	58290.00	-2785.00	64720.00	-3750.00	53830.00	34
35	-2994.00	45830.00	-3227.00	48080.00	-6916.00	45240.00	35
36	-5005.00	34970.00	3964.00	29210.00	773.50	32120.00	36
37	-2995.00	36980.00	-4575.00	29660.00	321.50	36190.00	37
38	-1789.00	34970.00	-4575.00	38650.00	5298.00	34830.00	38
39	-582.50	28940.00	-4126.00	32810.00	7107.00	28500.00	39
40	-4201.00	28540.00	-4126.00	31010.00	9369.00	27140.00	40
41	1026.00	57080.00	-2778.00	58420.00	8464.00	50660.00	41
42	-3799.00	54670.00	-6822.00	42690.00	5750.00	44330.00	42
43	-5809.00	58290.00	-81.00	43140.00	5750.00	47040.00	43
44	-1386.00	45830.00	-5923.00	37300.00	10730.00	37540.00	44
45	-5005.00	30150.00	-5923.00	26510.00	5298.00	26690.00	45
46	-2191.00	40200.00	368.50	39100.00	7559.00	35280.00	46
47	-7014.00	46630.00	-3676.00	35950.00	5297.00	36640.00	47
48	-3799.00	56280.00	-4575.00	44940.00	5750.00	45230.00	48
49	-7014.00	47430.00	-4575.00	35050.00	5298.00	37540.00	49

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
T8GW 24300 T8CG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
50	624.00	45420.00	-10420.00	46290.00	12540.00	45690.00	50
51	1016.00	73960.00	-23000.00	78650.00	2576.00	77340.00	51
52	216.00	67530.00	-13570.00	71010.00	9815.00	68300.00	52
53	4232.00	90040.00	-15820.00	91220.00	12080.00	81420.00	53
54	3032.00	75980.00	-23910.00	84940.00	9360.00	77810.00	54
56	-2600.00	85620.00	-7728.00	75950.00	2120.00	75990.00	56
57	-4208.00	88830.00	-7280.00	78190.00	312.00	79610.00	57
59	-2192.00	84420.00	3056.00	73250.00	1224.00	75990.00	59
60	-1792.00	84020.00	1264.00	72350.00	-1048.00	75540.00	60
61	-1792.00	93660.00	6648.00	79540.00	768.00	82780.00	61
62	-3408.00	87230.00	4856.00	75050.00	-3752.00	77350.00	62
63	-2600.00	81610.00	-13120.00	76850.00	11170.00	78700.00	63
64	7448.00	73160.00	-6827.00	72360.00	7557.00	69660.00	64

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
T8GW 24300 T8CG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.80	265.10	263.90	1.01	1.03	.99	2
3	264.80	265.40	263.30	.96	1.09	.93	3
4	264.10	264.90	263.90	.97	1.09	.93	4
5	264.40	264.60	264.10	.98	1.02	.96	5
6	264.80	265.10	264.10	1.07	1.11	.96	6
7	263.80	264.30	263.70	1.01	1.04	1.01	7
8	263.40	263.70	263.10	1.01	1.03	1.00	8
9	264.20	264.40	264.10	1.00	1.02	1.00	9
10	264.20	264.30	264.10	1.00	1.01	1.00	10
11	263.50	264.10	263.30	1.02	1.02	1.00	11
12	264.50	264.60	263.90	1.03	1.04	1.01	12
13	263.70	264.60	263.30	1.04	1.06	.93	13
14	264.30	264.40	263.90	1.01	1.04	1.00	14
15	264.20	264.40	263.90	.99	1.02	.97	15
16	264.00	264.30	263.90	1.01	1.03	1.00	16
17	263.90	264.60	263.70	1.03	1.05	.97	17
18	264.10	264.40	263.90	1.01	1.03	1.01	18
19	263.30	264.40	262.60	1.06	1.09	.98	19
20	263.90	264.40	263.30	1.03	1.07	.97	20
21	263.80	264.60	263.30	.99	1.02	.98	21
22	264.00	264.30	263.50	.97	1.02	.96	22
23	263.70	265.30	262.60	1.03	1.09	.92	23
24	264.80	268.40	263.90	1.24	1.28	1.01	24
25	267.80	271.60	262.00	1.11	1.32	.93	25
26	267.60	272.80	262.60	1.13	1.31	.87	26
28	263.90	264.10	263.50	1.01	1.02	.98	28
29	264.00	264.10	263.50	1.00	1.02	.97	29
30	263.40	264.90	262.90	1.02	1.05	.99	30
31	264.20	264.40	263.70	.98	1.02	.96	31
32	264.60	265.10	262.90	1.01	1.10	.95	32
33	264.10	264.60	262.80	1.11	1.21	.99	33
34	264.80	265.10	262.60	1.11	1.27	.98	34
35	264.80	265.60	263.10	1.10	1.16	.87	35
36	265.40	269.10	261.60	1.12	1.29	.89	36
37	263.40	270.40	262.00	1.12	1.31	.92	37
38	264.40	264.60	263.50	.97	.99	.94	38
39	266.00	267.80	264.90	.98	1.02	.93	39
40	263.00	264.10	262.40	.95	1.09	.89	40
41	260.00	261.40	258.10	1.06	1.16	1.04	41
42	276.10	287.60	265.30	1.20	1.30	.84	42
43	271.50	281.60	261.40	1.14	1.32	.89	43
44	263.80	292.30	253.20	1.04	1.61	.61	44
45	270.30	276.90	266.60	1.05	1.11	.90	45
46	268.50	279.70	260.30	1.38	1.59	.75	46
47	286.80	289.40	270.80	1.01	1.24	.91	47
48	278.30	282.10	268.40	1.13	1.26	.90	48
49	263.70	282.70	256.90	1.35	1.45	.62	49

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TGW 24500 TCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
50	279.80	283.80	260.50	1.48	1.64	.96	50
51	273.90	281.20	268.40	1.28	1.45	.94	51
52	265.10	279.10	261.80	1.09	1.38	.93	52
53	275.20	288.10	256.40	1.44	1.91	.72	53
54	275.30	284.50	266.40	1.35	1.74	.91	54
56	264.30	264.60	263.10	.98	1.05	.96	56
57	264.70	264.90	263.50	1.02	1.08	1.00	57
59	263.60	264.30	262.90	.95	1.05	.84	59
60	264.10	264.30	263.30	.94	1.02	.90	60
61	264.30	264.60	263.50	1.02	1.09	.97	61
62	264.30	264.40	263.50	.95	1.02	.92	62
63	271.70	284.30	256.80	1.24	1.62	.81	63
64	266.60	268.40	260.50	1.02	1.12	.96	64

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
T8GW 24300 T8CG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	-1.43	.94	-1.93	6.10	7.20	4.59	2
3	-1.14	.34	-4.71	.76	2.28	-7.89	3
4	-3.22	-2.13	-3.72	-5.58	.60	-6.42	4
5	-1.53	.74	-2.93	-3.38	-2.33	-4.11	5
6	-1.34	.94	-2.13	-2.80	-1.07	-3.49	6
7	-1.53	-1.14	-2.73	-2.33	-1.49	-3.49	7
8	-1.34	.74	-2.13	-6.11	-4.01	-6.52	8
9	-1.34	.74	-2.53	-3.80	-2.86	-4.22	9
10	-1.34	-1.14	-1.93	-4.32	-3.90	-4.85	10
11	-2.53	-1.93	-3.12	-4.43	-3.69	-6.11	11
12	-1.53	-1.34	-2.33	2.12	3.01	1.44	12
13	-2.93	-2.33	-3.32	-1.70	1.55	-3.28	13
14	-3.22	-2.73	-3.92	-1.55	.55	-2.33	14
15	-4.61	-2.33	-6.30	2.23	4.06	1.65	15
16	-2.73	-2.33	-3.12	4.74	5.74	2.80	16
17	-4.71	.54	-4.91	-4.11	8.36	2.17	17
18	-1.53	-1.14	-2.33	6.84	11.40	6.37	18
19	4.43	17.94	-8.49	2.17	5.74	-1.13	19
20	-17.63	1.25	-29.56	.03	4.48	-2.54	20
21	-1.93	.94	-4.32	1.18	1.65	.50	21
22	-3.32	-2.33	-3.92	1.28	1.86	.29	22
23	-1.43	.74	-2.53	2.49	3.75	1.65	23
24	-4.71	-3.72	-5.11	-3.39	3.33	-2.86	24
25	-1.53	-1.14	-2.73	3.01	3.33	2.28	25
26	-1.43	.94	-2.33	.76	.92	.29	26
28	-6.50	-4.52	-7.10	.55	.92	.18	28
29	-1.53	-1.34	-3.12	1.13	2.07	-.55	29
30	-3.12	-2.33	-6.30	.60	1.34	-.45	30
31	-3.32	-2.93	-3.72	-.55	-.13	-2.02	31
32	-3.02	-2.53	-4.12	2.59	3.01	.92	32
33	-16.04	-2.33	-38.30	14.12	16.22	3.43	33
34	10.49	40.40	-4.71	6.79	11.61	-3.28	34
35	-3.02	.54	-4.52	.29	12.34	-6.52	35
36	-3.02	-2.13	-3.52	4.59	5.42	2.38	36
37	-2.13	-1.34	-2.73	3.96	4.27	2.91	37
38	-2.13	-1.73	-3.72	3.27	3.85	1.76	38
39	-3.12	-2.93	-3.92	5.37	6.26	4.17	39
40	-3.22	-1.53	-4.12	1.65	2.17	.71	40
41	-1.63	.45	-2.53	-1.86	2.70	-3.59	41
42	-10.48	-3.32	-40.09	6.37	8.88	-1.81	42
43	11.09	40.40	-2.13	-6.05	18.84	-13.86	43
44	-3.22	-2.93	-7.50	10.45	17.27	-.66	44
45	-3.02	.74	-5.31	5.95	11.29	3.85	45
46	-.34	2.44	-1.53	7.89	13.39	2.59	46
47	-19.22	-1.34	-31.15	9.51	10.98	.71	47
48	13.47	28.28	-2.33	1.97	12.13	-7.47	48
49	-5.21	-3.52	-5.91	9.35	15.49	-1.39	49

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RH=46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TGW 24300 TCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
50	-2.93	-2.13	-3.72	5.53	6.58	5.11	50
51	-32.05	-7.69	-57.98	-6.60	3.85	-1.81	51
52	26.19	59.09	-14	-6.94	8.88	-17.64	52
53	-2.83	-1.93	-6.70	-1.49	12.97	-18.58	53
54	-3.02	-1.93	-4.12	-3.07	-1.28	-6.73	54
56	-1.53	-1.34	-2.33	-4.53	-3.69	-5.06	56
57	-1.63	-1.34	-3.52	-4.95	-4.43	-6.00	57
59	-2.93	-1.93	-3.12	-5.58	-4.64	-7.78	59
60	-1.34	.45	-3.12	-7.84	-5.69	-8.52	60
61	-3.12	-1.93	-3.92	-7.21	-5.37	-7.68	61
62	-2.03	-1.14	-3.72	-8.15	-7.68	-9.35	62
63	-12.07	.65	-65.34	.45	5.63	-14.18	63
64	-1.04	4.83	-4.32	10.66	16.85	-2.23	64

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLPI FLIGHT 122
TGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/09/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	201900.00	13180.00	220100.00	175100.00	6813.00	34070.00	2
3	215100.00	23790.00	255000.00	153900.00	-8633.00	47700.00	3
4	150500.00	20390.00	200600.00	130100.00	-9541.00	50420.00	4
5	145800.00	20390.00	197200.00	125000.00	-1365.00	44970.00	5
6	128800.00	17420.00	153900.00	101200.00	907.00	33620.00	6
7	147900.00	14450.00	142400.00	103700.00	-1819.00	36340.00	7
8	141100.00	11900.00	157300.00	117300.00	452.50	31340.00	8
9	207400.00	19540.00	249400.00	92690.00	907.00	40880.00	9
10	198500.00	16580.00	244000.00	172600.00	-5907.00	47700.00	10
11	222500.00	24220.00	246900.00	145400.00	-7280.00	74500.00	11
12	153000.00	17850.00	175000.00	120700.00	-3640.00	69960.00	12
13	141500.00	13600.00	177700.00	137700.00	-3184.00	65870.00	13
14	145800.00	10620.00	142400.00	116500.00	-9996.00	66320.00	14
15	133500.00	11050.00	157300.00	116500.00	-4546.00	63600.00	15
16	127500.00	9352.00	157300.00	116500.00	-5004.00	61330.00	16
17	201000.00	19980.00	228700.00	72290.00	-5006.00	70420.00	17
18	221000.00	17850.00	240500.00	181900.00	7267.00	35430.00	18
19	210400.00	17420.00	249000.00	192100.00	907.00	32710.00	19
20	224400.00	16140.00	245600.00	192100.00	3633.00	33620.00	20
21	247800.00	20820.00	277900.00	210800.00	2725.00	39980.00	21
22	276700.00	21670.00	298300.00	224400.00	907.00	32710.00	22
23	234300.00	21240.00	283000.00	201500.00	3179.00	38610.00	23
24	281800.00	25570.00	352700.00	182800.00	6808.00	80410.00	24
25	191700.00	27620.00	292900.00	27260.00	14080.00	71320.00	25
26	137300.00	32720.00	226900.00	40010.00	8160.00	88130.00	26
27	197600.00	36960.00	248600.00	12810.00	2712.00	78140.00	27
28	58270.00	10620.00	87580.00	2615.00	6809.00	62230.00	28
29	149200.00	35260.00	213400.00	42560.00	-13630.00	47240.00	29
30	195900.00	34420.00	294100.00	58700.00	-916.00	41790.00	30
31	212100.00	11470.00	223600.00	190400.00	-910.00	35430.00	31
32	209100.00	24640.00	239700.00	166600.00	547.00	63140.00	32
33	190400.00	24650.00	246300.00	164900.00	440.00	66780.00	33
34	207000.00	19970.00	233700.00	181900.00	-14080.00	57690.00	34
35	211200.00	16570.00	244000.00	180200.00	926.00	65410.00	35
36	294200.00	79030.00	378200.00	108800.00	5450.00	41790.00	36
37	197400.00	133000.00	347800.00	19610.00	4087.00	41340.00	37
38	223500.00	19540.00	242600.00	181100.00	-13180.00	114900.00	38
39	207000.00	22520.00	229500.00	157300.00	-9552.00	182200.00	39
40	92260.00	9776.00	162000.00	51050.00	2270.00	44970.00	40
41	47620.00	5518.00	73140.00	50400.00	2724.00	35430.00	41
42	79510.00	6376.00	87580.00	52750.00	-7275.00	62690.00	42
43	42520.00	6373.00	49740.00	54450.00	907.50	48150.00	43
44	62940.00	10190.00	82480.00	49350.00	-16820.00	112200.00	44
45	44340.00	8431.00	96080.00	57000.00	7721.00	30440.00	45

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 122
TGW 20800 TECG 9.7 AFT FLIGHT DATE 08/09/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	4323.00	33520.00	994.00	42180.00	-3018.00	42650.00	2
3	5217.00	53190.00	7273.00	65510.00	-10500.00	59810.00	3
4	-594.00	49160.00	-2596.00	55640.00	-21050.00	57170.00	4
5	-4616.00	42460.00	-5288.00	48460.00	-3458.00	53650.00	5
6	2535.00	31730.00	4584.00	41280.00	-3458.00	46610.00	6
7	-3276.00	33970.00	-352.00	43530.00	-6976.00	48370.00	7
8	-147.00	31730.00	1443.00	40830.00	-4338.00	41330.00	8
9	-1041.00	40670.00	545.50	49810.00	-3458.00	50130.00	9
10	-1488.00	48270.00	-2596.00	58340.00	-12260.00	56290.00	10
11	2080.00	75980.00	-1256.00	91990.00	-20620.00	88380.00	11
12	5659.00	69720.00	2328.00	82120.00	-9624.00	82660.00	12
13	4312.00	70170.00	3224.00	83020.00	-18850.00	76950.00	13
14	6105.00	68380.00	3680.00	81660.00	-19730.00	78710.00	14
15	4768.00	46140.00	6368.00	78080.00	-19290.00	75640.00	15
16	7893.00	60330.00	2784.00	71790.00	-15330.00	73430.00	16
17	10570.00	69270.00	7712.00	79420.00	-14020.00	80910.00	17
18	-1488.00	34860.00	-5737.00	42630.00	2698.00	44850.00	18
19	-1935.00	30840.00	-7083.00	36800.00	59.50	40450.00	19
20	-593.50	32180.00	-2596.00	35900.00	-1260.00	41770.00	20
21	-4851.00	36650.00	-3942.00	39940.00	-4777.00	47050.00	21
22	1194.00	31290.00	-3493.00	36800.00	-3018.00	39130.00	22
23	-5510.00	36200.00	-5737.00	42630.00	-2579.00	46610.00	23
24	1640.00	84470.00	-15620.00	98270.00	488.00	94540.00	24
25	-600.00	76870.00	-8432.00	87500.00	5768.00	85740.00	25
26	-1048.00	85370.00	-12030.00	96480.00	4888.00	95420.00	26
27	-2392.00	77770.00	-25940.00	91540.00	-4344.00	92340.00	27
28	-593.50	60780.00	-19200.00	78530.00	-2584.00	76500.00	28
29	8792.00	42460.00	8174.00	49360.00	-29400.00	55850.00	29
30	3876.00	42910.00	-4840.00	49810.00	-10930.00	47930.00	30
31	747.00	35310.00	-4840.00	39940.00	-7416.00	40010.00	31
32	2084.00	67040.00	-4840.00	73140.00	-2152.00	74310.00	32
33	-2835.00	64810.00	-9334.00	70460.00	-10500.00	73870.00	33
34	4770.00	56310.00	545.00	62370.00	-24130.00	62000.00	34
35	-9087.00	60340.00	-15170.00	65520.00	-7423.00	70800.00	35
36	4769.00	42910.00	-352.00	47120.00	-3898.00	47930.00	36
37	-5663.00	42010.00	545.00	45320.00	-3018.00	45290.00	37
38	24870.00	120200.00	19380.00	134200.00	-16220.00	121800.00	38
39	44320.00	168500.00	38680.00	180400.00	-10060.00	191300.00	39
40	3876.00	41120.00	-3494.00	43080.00	-6536.00	46170.00	40
41	2088.00	35760.00	-5737.00	36350.00	-6536.00	36500.00	41
42	11920.00	67040.00	4580.00	69100.00	-19290.00	62440.00	42
43	4770.00	48270.00	2789.00	51160.00	-6976.00	50130.00	43
44	28900.00	101900.00	24320.00	106800.00	-24130.00	114800.00	44
45	3876.00	30390.00	-3494.00	34100.00	-8295.00	35620.00	45

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 122
TGWK 20800 TACR 9.7 AFT FLIGHT DATE 08/09/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	238700.00	10180.00	262400.00	228500.00	1528.00	37010.00	2
3	284100.00	24590.00	319200.00	219200.00	-1623.00	50400.00	3
4	231900.00	14420.00	270900.00	198000.00	-2413.00	64580.00	4
5	212000.00	19070.00	252200.00	178500.00	1921.00	62610.00	5
6	180600.00	19080.00	212400.00	149600.00	9398.00	60630.00	6
7	147000.00	15690.00	209800.00	144500.00	5068.00	61030.00	7
8	185200.00	12720.00	204800.00	163200.00	5072.00	57100.00	8
9	274700.00	20780.00	319200.00	140300.00	14130.00	62210.00	9
10	245000.00	13990.00	274300.00	229300.00	2709.00	31110.00	10
11	202200.00	16950.00	320100.00	185200.00	11370.00	32680.00	11
12	205200.00	20770.00	242000.00	173400.00	1921.00	24810.00	12
13	211100.00	15680.00	242000.00	184400.00	1134.00	25590.00	13
14	203000.00	16950.00	270000.00	161500.00	1922.00	25590.00	14
15	198000.00	18660.00	222500.00	167400.00	6253.00	22050.00	15
16	203100.00	13570.00	216600.00	150500.00	4284.00	22440.00	16
17	223800.00	20770.00	315800.00	131000.00	2315.00	32290.00	17
18	230200.00	18650.00	246600.00	207300.00	-1623.00	27560.00	18
19	234500.00	18230.00	243200.00	189500.00	6647.00	30320.00	19
20	208100.00	17800.00	247100.00	182700.00	8222.00	39770.00	20
21	206900.00	22460.00	240400.00	170800.00	8222.00	41340.00	21
22	218300.00	21190.00	251400.00	172500.00	10980.00	40950.00	22
23	213200.00	22890.00	248300.00	175900.00	10190.00	42530.00	23
24	345000.00	22890.00	396400.00	252200.00	6248.00	90570.00	24
25	244700.00	18230.00	343000.00	92820.00	5848.00	86230.00	25
26	320900.00	28820.00	396400.00	135200.00	1520.00	91360.00	26
27	247600.00	24170.00	356500.00	88580.00	-8720.00	82690.00	27
28	45700.00	14410.00	148800.00	48740.00	-7144.00	77960.00	28
29	148300.00	39860.00	253100.00	47890.00	3497.00	33470.00	29
30	231500.00	29250.00	393600.00	77570.00	740.00	33080.00	30
31	251400.00	10180.00	241600.00	238700.00	1528.00	27560.00	31
32	242500.00	17380.00	287800.00	213200.00	5072.00	45280.00	32
33	229300.00	17800.00	290400.00	203100.00	3497.00	56310.00	33
34	260700.00	13570.00	274300.00	236100.00	-2804.00	35040.00	34
35	271700.00	12720.00	284400.00	237000.00	6647.00	35830.00	35
36	181000.00	72920.00	375200.00	108100.00	346.00	35830.00	36
37	273000.00	123400.00	396400.00	36870.00	740.00	36230.00	37
38	239900.00	13140.00	276000.00	209000.00	10970.00	91350.00	38
39	249600.00	15690.00	304000.00	244600.00	2304.00	85840.00	39
40	147900.00	5936.00	155600.00	100400.00	5072.00	26380.00	40
41	164300.00	3816.00	114000.00	99600.00	5072.00	17720.00	41
42	101700.00	4664.00	133500.00	72480.00	5072.00	25590.00	42
43	105500.00	5088.00	110600.00	85200.00	-441.50	19210.00	43
44	85620.00	7200.00	107200.00	76720.00	6253.00	18110.00	44
45	155600.00	6784.00	144900.00	96210.00	6253.00	23630.00	45

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 122

TOWH 20800 TBCR 9.7 AFT FLIGHT DATE 08/09/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	3548.00	35640.00	-6894.00	34470.00	6326.00	34200.00	2
3	7152.00	48050.00	-10480.00	47010.00	13080.00	45450.00	3
4	-1260.00	64470.00	-11380.00	59550.00	11270.00	58950.00	4
5	-1259.00	65270.00	-3312.00	58650.00	7222.00	60300.00	5
6	2347.00	60860.00	-526.00	58650.00	7672.00	59850.00	6
7	5144.00	60460.00	-1522.00	57750.00	16680.00	56250.00	7
8	2347.00	55260.00	-2865.00	50140.00	9926.00	50400.00	8
9	2341.00	63260.00	-1074.00	61780.00	7220.00	61200.00	9
10	-5662.00	31230.00	-6894.00	32680.00	3175.00	32850.00	10
11	-5262.00	30030.00	-1522.00	35370.00	-2225.00	32850.00	11
12	-3660.00	22820.00	-2865.00	34020.00	-1775.00	28800.00	12
13	-456.00	24430.00	-5551.00	34030.00	-2675.00	29700.00	13
14	-4861.00	22420.00	-5103.00	32680.00	2725.00	27900.00	14
15	-3660.00	21220.00	-2865.00	28650.00	25.00	27900.00	15
16	-6863.00	22820.00	-7790.00	30000.00	-3575.00	29700.00	16
17	1946.00	29230.00	-14500.00	33130.00	2725.00	32400.00	17
18	-2058.00	28430.00	-12270.00	30000.00	4075.00	29250.00	18
19	-4061.00	33630.00	-9132.00	32230.00	25.00	33300.00	19
20	-5662.00	39240.00	-7342.00	39400.00	-3125.00	37350.00	20
21	-2459.00	39240.00	-2417.00	35370.00	3175.00	34650.00	21
22	-3259.00	40840.00	-1074.00	36710.00	-1775.00	36900.00	22
23	-857.00	44050.00	-4299.00	38500.00	1826.00	37800.00	23
24	-2464.00	95300.00	-6904.00	81930.00	3624.00	87300.00	24
25	8744.00	85690.00	-10040.00	83270.00	16660.00	83260.00	25
26	9152.00	91700.00	-12720.00	89540.00	16670.00	85950.00	26
27	2744.00	83490.00	-21220.00	81030.00	12170.00	78760.00	27
28	6344.00	76870.00	-22120.00	78350.00	14420.00	78300.00	28
29	-4062.00	34040.00	-1969.00	34030.00	2275.00	33750.00	29
30	745.00	32830.00	-10480.00	33580.00	11730.00	31500.00	30
31	-856.50	29630.00	-11820.00	27760.00	5425.00	27900.00	31
32	-7664.00	42840.00	-3760.00	40290.00	3176.00	37350.00	32
33	-4861.00	53660.00	-6894.00	50590.00	25.00	46800.00	33
34	-2058.00	37240.00	-15400.00	29550.00	4525.00	32400.00	34
35	-4060.00	34440.00	-5104.00	30000.00	-1775.00	29700.00	35
36	-8865.00	36840.00	-7342.00	37610.00	-2675.00	34200.00	36
37	3548.00	38040.00	-9133.00	35820.00	9476.00	38250.00	37
38	-16880.00	90500.00	-1080.00	79690.00	472.00	76060.00	38
39	-1264.00	88500.00	-6008.00	74760.00	4968.00	76950.00	39
40	-857.00	25630.00	-5999.00	23730.00	8576.00	22050.00	40
41	1146.00	17220.00	-6894.00	13880.00	8126.00	14400.00	41
42	744.50	24830.00	-5551.00	21490.00	10380.00	22050.00	42
43	745.00	12010.00	-11370.00	13880.00	11730.00	12600.00	43
44	344.50	18020.00	-7789.00	19250.00	6776.00	19350.00	44
45	-1257.00	23420.00	-4656.00	17910.00	8126.00	18900.00	45

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 122
TUGW 20800 TCG 9.7 AFT FLIGHT DATE 08/09/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.90	265.40	263.90	1.00	1.02	.96	2
3	264.90	266.60	263.30	1.00	1.06	.95	3
4	264.80	266.00	263.90	1.00	1.08	.95	4
5	266.30	267.00	264.90	1.00	1.05	.94	5
6	266.00	266.20	265.10	.99	1.03	.96	6
7	264.80	266.20	263.70	.98	1.06	.92	7
8	265.20	265.60	263.90	1.00	1.02	.94	8
9	262.70	266.20	262.20	1.04	1.09	.94	9
10	264.90	265.80	263.90	1.02	1.06	.96	10
11	265.00	267.90	263.50	.94	1.13	.87	11
12	265.90	266.60	264.90	1.00	1.04	.95	12
13	264.70	265.30	264.30	.98	1.02	.95	13
14	265.30	266.40	265.10	1.04	1.07	.94	14
15	264.80	265.60	264.30	1.02	1.05	.93	15
16	264.90	266.60	264.10	1.03	1.06	.96	16
17	266.20	266.80	261.80	1.01	1.08	.95	17
18	264.60	265.10	264.10	1.00	1.03	.96	18
19	265.40	267.00	264.10	.98	1.06	.92	19
20	265.20	266.20	264.30	1.00	1.06	.96	20
21	264.80	266.20	263.90	.97	1.09	.92	21
22	264.90	266.00	264.10	.98	1.06	.95	22
23	264.70	266.80	263.70	1.03	1.06	.95	23
24	265.30	266.20	263.10	1.02	1.12	.81	24
25	264.80	266.40	261.60	1.01	1.08	.92	25
26	264.00	266.60	262.60	1.04	1.08	.93	26
27	263.20	266.80	260.50	1.10	1.37	.92	27
28	267.60	268.40	261.60	.99	1.27	.84	28
29	269.20	272.20	263.70	1.27	1.46	.78	29
30	263.70	267.40	260.10	1.02	1.14	.87	30
31	264.40	264.60	263.70	.99	1.02	.97	31
32	264.70	265.30	263.50	1.01	1.06	.94	32
33	264.70	266.00	263.30	.99	1.06	.94	33
34	263.50	265.10	263.10	.98	1.02	.96	34
35	264.00	264.90	263.10	1.00	1.04	.97	35
36	264.00	265.60	263.10	1.04	1.17	.95	36
37	263.90	266.40	262.90	1.02	1.10	.91	37
38	263.90	265.80	262.90	1.02	1.08	.96	38
39	264.30	264.90	263.50	1.01	1.02	.97	39
40	264.80	266.60	264.30	.98	1.02	.95	40
41	264.30	264.60	263.90	1.01	1.02	.98	41
42	264.80	265.30	263.50	1.01	1.02	.98	42
43	264.80	265.10	264.10	1.00	1.02	.97	43
44	264.10	264.90	263.90	1.00	1.05	.96	44
45	264.60	265.80	263.50	1.01	1.04	.97	45

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 122
TSGW 20800 TECG 9+7 AFT FLIGHT DATE 08/09/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	-1.95	-1.13	-2.60	5.74	6.51	4.21	2
3	-2.52	-64	-5.87	3.65	6.09	3.18	3
4	-1.79	-48	-2.77	5.10	5.92	3.70	4
5	-3.66	-2.11	-6.36	5.32	6.17	3.78	5
6	-2.36	-48	-2.77	4.59	5.23	4.29	6
7	-2.52	-1.30	-3.26	4.51	6.17	4.12	7
8	-3.17	-2.60	-3.91	5.02	5.57	3.44	8
9	-2.44	9.31	-8.48	5.49	8.48	2.84	9
10	.01	.66	-64	4.55	5.40	3.78	10
11	2.95	4.74	.83	4.16	5.57	3.52	11
12	.17	.50	-1.32	5.27	6.34	3.95	12
13	1.81	4.09	.50	4.25	5.15	3.70	13
14	3.35	3.60	.99	4.51	5.40	4.12	14
15	1.40	4.91	.50	4.55	4.98	2.33	15
16	2.54	3.44	1.64	5.19	5.74	3.27	16
17	-3.91	1.48	-12.56	4.85	6.60	2.93	17
18	-15	.17	-64	5.96	6.60	4.38	18
19	.25	.66	-1.62	4.68	6.51	4.04	19
20	-64	.50	-1.79	6.68	7.11	4.81	20
21	-24	.99	.81	5.02	7.54	4.21	21
22	-15	.01	-64	5.40	7.11	4.64	22
23	-1.05	.17	-1.62	.62	3.52	-2.28	23
24	-24	1.64	-1.62	-2.54	2.59	-12.70	24
25	-73	1.48	-1.46	5.66	10.27	1.39	25
26	-3.26	1.81	-7.34	2.97	7.20	1.22	26
27	.66	2.62	-1.95	8.65	19.66	2.24	27
28	-81	.66	-1.30	5.49	11.64	1.56	28
29	-56	.34	-97	4.16	4.81	2.50	29
30	.32	.34	-97	4.12	4.46	3.35	30
31	-56	-32	-1.46	4.64	5.23	4.29	31
32	1.15	4.09	-4.73	3.74	6.00	-1.85	32
33	-48	1.81	-2.77	3.23	6.43	.02	33
34	-1.95	.97	-3.42	5.10	6.00	4.21	34
35	-3.42	-64	-4.23	4.93	5.49	4.04	35
36	-1.79	-64	-2.60	4.93	5.92	2.59	36
37	-1.79	-64	-2.28	2.46	6.85	1.31	37
38	-56	.83	-2.93	5.57	9.76	4.12	38
39	-48	.99	-1.95	2.03	3.52	.62	39
40	-24	.34	-48	4.04	4.64	3.61	40
41	-15	2.13	-32	2.97	4.38	2.16	41
42	1.56	1.81	-2.77	3.44	5.15	2.67	42
43	-15	.17	-48	3.82	4.38	3.35	43
44	-2.44	-64	-3.09	3.23	4.21	2.67	44
45	1.56	3.44	-3.26	.88	5.32	.28	45

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TGW 20800 TBCG 9+7 AFT FLIGHT DATE 08/11/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	243200.00	20090.00	241800.00	212700.00	-7160.00	78580.00	2
3	272300.00	6488.00	285300.00	260700.00	-4040.00	76360.00	3
4	243300.00	7784.00	276200.00	254200.00	-2636.00	74120.00	4
5	251600.00	9072.00	268400.00	241200.00	-1808.00	76800.00	5
6	248300.00	7128.00	260700.00	237300.00	-2248.00	76360.00	6
7	245800.00	9720.00	256800.00	230800.00	-1800.00	74120.00	7
8	247000.00	12310.00	245800.00	228300.00	-456.50	40630.00	8
9	230800.00	10370.00	241200.00	217900.00	436.50	43310.00	9
10	219800.00	9728.00	229600.00	204900.00	1330.00	44210.00	10
11	209500.00	9728.00	219200.00	192000.00	1776.00	49120.00	11
12	207500.00	10380.00	224400.00	194500.00	1330.00	47780.00	12
13	204300.00	11020.00	215300.00	182900.00	2223.00	49560.00	13
14	152400.00	17500.00	175100.00	96030.00	6242.00	56260.00	14
15	121300.00	11020.00	136200.00	107700.00	7135.00	51800.00	15
16	145900.00	11020.00	159600.00	132300.00	4009.00	53140.00	16
17	149800.00	12320.00	181600.00	105100.00	3562.00	54480.00	17
18	193900.00	12310.00	204200.00	144000.00	4451.00	62510.00	18
19	154400.00	19450.00	195800.00	81760.00	3562.00	59840.00	19
20	144100.00	17500.00	182900.00	96030.00	3116.00	57600.00	20
21	148500.00	16210.00	169900.00	125800.00	3562.00	54480.00	21
22	171900.00	21390.00	197100.00	137500.00	883.00	54480.00	22
23	176400.00	20740.00	212700.00	103800.00	7131.00	65190.00	23
24	147200.00	20100.00	198400.00	93420.00	4450.00	66970.00	24
25	130400.00	14900.00	153100.00	112900.00	-1350.00	55820.00	25
26	140800.00	21760.00	172500.00	101200.00	2223.00	54920.00	26
27	143300.00	20100.00	143400.00	119400.00	9808.00	91980.00	27
28	142000.00	13620.00	159600.00	123200.00	-10.00	43760.00	28
29	135600.00	13610.00	151800.00	112900.00	5795.00	58500.00	29
30	101900.00	27870.00	182900.00	68800.00	5795.00	59390.00	30
31	179000.00	28520.00	207500.00	105100.00	2223.00	57600.00	31
32	143400.00	33700.00	197100.00	94740.00	2223.00	60280.00	32
33	53250.00	15550.00	96030.00	37700.00	8921.00	47330.00	33
34	34400.00	10370.00	46770.00	19550.00	6242.00	39290.00	34
35	-17400.00	8427.00	-2491.00	-29720.00	5795.00	33490.00	35
36	149800.00	13620.00	211400.00	79170.00	3562.00	55370.00	36
37	-44570.00	6482.00	-25830.00	-53050.00	7581.00	37960.00	37
38	-51430.00	10050.00	-15460.00	-61480.00	7531.00	55820.00	38
39	-24530.00	11670.00	-11570.00	-61480.00	6688.00	54030.00	39
40	-37490.00	10370.00	-23230.00	-47860.00	22320.00	47330.00	40
41	-42680.00	10370.00	-27120.00	-53050.00	8028.00	37510.00	41
42	-39440.00	13610.00	-11570.00	-61480.00	-6710.00	65640.00	42
43	118700.00	7128.00	128400.00	106400.00	-5375.00	69670.00	43
44	174400.00	9072.00	203600.00	164700.00	-1808.00	78590.00	44
45	203600.00	14260.00	238600.00	182900.00	1776.00	77700.00	45
46	224400.00	18150.00	252900.00	206200.00	2654.00	75910.00	46
47	276900.00	21390.00	298300.00	225700.00	6680.00	79930.00	47
48	275600.00	21390.00	304700.00	247700.00	5792.00	78140.00	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/11/77

EVNNT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
49	274900.00	22040.00	315100.00	251600.00	7128.00	78580.00	49
50	249100.00	26530.00	316400.00	238600.00	9808.00	81260.00	50
51	273000.00	23980.00	309900.00	242500.00	9800.00	80380.00	51
52	112200.00	8424.00	124500.00	39920.00	-2248.00	73670.00	52
53	156300.00	17500.00	184200.00	136200.00	-3592.00	74120.00	53
54	282000.00	16210.00	298300.00	217900.00	-1796.00	44650.00	54
55	245800.00	16200.00	276200.00	220500.00	3116.00	59390.00	55
56	243800.00	45380.00	299600.00	190700.00	-10.00	53580.00	56
57	236000.00	23330.00	282700.00	212700.00	11150.00	63850.00	57
58	182900.00	18140.00	217900.00	111600.00	6680.00	76360.00	58
59	121300.00	5832.00	128400.00	112900.00	-1358.00	64750.00	59
60	134300.00	7128.00	147900.00	125800.00	-2696.00	70550.00	60
61	180300.00	14260.00	261000.00	145300.00	424.00	79930.00	61
62	175800.00	9720.00	190700.00	160800.00	5348.00	43760.00	62
63	256100.00	17500.00	289200.00	238600.00	12040.00	63850.00	63
64	142000.00	8424.00	159600.00	131000.00	4455.00	31260.00	64
65	175800.00	8424.00	188100.00	157000.00	4456.00	36620.00	65
66	208200.00	8432.00	290500.00	198400.00	3563.00	38400.00	66
67	248300.00	18790.00	247100.00	215300.00	7581.00	48670.00	67
68	246500.00	13620.00	286600.00	236000.00	5795.00	46890.00	68
69	301500.00	17500.00	319000.00	268400.00	6242.00	54480.00	69
70	309300.00	18790.00	323300.00	284000.00	7134.00	58050.00	70
71	-23880.00	5834.00	-16750.00	-33600.00	-4033.00	64750.00	71
72	-27770.00	8426.00	-11570.00	-43980.00	-464.00	74580.00	72
73	-44950.00	16530.00	26030.00	-61480.00	-6712.00	84390.00	73
74	-28420.00	11670.00	-10270.00	-40090.00	-6264.00	66090.00	74
75	-34250.00	14910.00	-12860.00	-50460.00	-10730.00	56260.00	75
76	-27770.00	18800.00	-5084.00	-46570.00	12490.00	104500.00	76
77	-36520.00	24950.00	15660.00	-61480.00	-7160.00	86630.00	77
78	-22580.00	22490.00	9176.00	-61480.00	-9840.00	81260.00	78
79	-41380.00	14260.00	46210.00	-61480.00	14720.00	103200.00	79
80	171200.00	25930.00	233400.00	14360.00	-912.00	73230.00	80

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	7384.00	77320.00	-9032.00	91080.00	5592.00	91100.00	2
3	11030.00	71860.00	-5896.00	87050.00	9552.00	85380.00	3
4	12400.00	70500.00	-4096.00	85250.00	10870.00	82300.00	4
5	12300.00	73230.00	-5440.00	89300.00	12630.00	85820.00	5
6	12850.00	72770.00	-4096.00	87950.00	11750.00	85820.00	6
7	11030.00	71860.00	-3200.00	86140.00	12190.00	81860.00	7
8	3300.00	39570.00	1296.00	47560.00	3398.00	46650.00	8
9	3754.00	42760.00	1296.00	50250.00	3398.00	49290.00	9
10	4664.00	44570.00	398.00	50250.00	2958.00	49730.00	10
11	5119.00	48670.00	1296.00	57430.00	4719.00	55890.00	11
12	5119.00	47760.00	398.00	54740.00	4278.00	54570.00	12
13	4209.00	50490.00	2193.00	56540.00	2518.00	56330.00	13
14	1480.00	56860.00	8020.00	64160.00	-1883.00	63370.00	14
15	3300.00	52310.00	3539.00	57880.00	2078.00	58530.00	15
16	5119.00	54130.00	1296.00	61020.00	3398.00	61610.00	16
17	2845.00	55490.00	3091.00	61920.00	1638.00	62490.00	17
18	3748.00	61850.00	3088.00	71790.00	1632.00	68660.00	18
19	4209.00	60490.00	3535.00	65950.00	2072.00	68220.00	19
20	4209.00	58670.00	3536.00	64160.00	1196.00	66450.00	20
21	1025.00	53670.00	2642.00	60570.00	-1884.00	59850.00	21
22	-794.50	51850.00	398.00	59230.00	-3204.00	56770.00	22
23	2841.00	64580.00	6229.00	71340.00	752.00	73060.00	23
24	565.50	65950.00	5328.00	74930.00	-2328.00	73500.00	24
25	-4433.00	60040.00	-7685.00	64620.00	-11570.00	66900.00	25
26	3755.00	54580.00	-3194.00	63720.00	1198.00	62050.00	26
27	-5344.00	81870.00	16100.00	104500.00	-5408.00	89780.00	27
28	4938.00	44120.00	-2743.00	51600.00	5598.00	49730.00	28
29	1935.00	59130.00	4881.00	64610.00	-1008.00	66900.00	29
30	1480.00	61400.00	5334.00	68650.00	-2768.00	59540.00	30
31	5570.00	61850.00	9370.00	67300.00	5596.00	70850.00	31
32	2384.00	63220.00	-64.00	71340.00	-128.00	72180.00	32
33	3755.00	49120.00	5334.00	53400.00	2518.00	55450.00	33
34	4209.00	41390.00	4885.00	45770.00	3838.00	46210.00	34
35	5119.00	34110.00	2193.00	38590.00	1638.00	39610.00	35
36	3299.00	55950.00	3540.00	61470.00	1198.00	63810.00	36
37	4210.00	37750.00	4437.00	42630.00	3398.00	43130.00	37
38	-794.00	55490.00	5780.00	61020.00	-4524.00	59850.00	38
39	-1249.00	52310.00	2642.00	58780.00	-4524.00	58970.00	39
40	1025.00	56400.00	25520.00	52940.00	-1444.00	61170.00	40
41	2845.00	36390.00	6232.00	40830.00	2078.00	40930.00	41
42	-6711.00	69590.00	-7680.00	73580.00	-7168.00	74820.00	42
43	4478.00	71860.00	-9032.00	80310.00	2072.00	84060.00	43
44	7384.00	76410.00	-2752.00	89300.00	7792.00	87140.00	44
45	4208.00	77780.00	1736.00	89290.00	5592.00	88460.00	45
46	5568.00	75500.00	2632.00	85700.00	6912.00	88020.00	46
47	2384.00	83230.00	8464.00	91540.00	3392.00	96820.00	47
48	2840.00	80060.00	6672.00	89740.00	4272.00	94180.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TSGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
49	2744.00	81870.00	7120.00	91090.00	5152.00	95940.00	49
50	2840.00	85510.00	10710.00	93780.00	3824.00	101700.00	50
51	5112.00	85950.00	10710.00	95580.00	6032.00	101200.00	51
52	11490.00	70500.00	-7232.00	83900.00	7792.00	84500.00	52
53	10570.00	69590.00	-8136.00	86600.00	8232.00	83180.00	53
54	2845.00	41850.00	-4089.00	49360.00	2078.00	47970.00	54
55	-3069.00	42310.00	4878.00	68190.00	-4526.00	69540.00	55
56	5574.00	50940.00	-947.50	59680.00	1638.00	58090.00	56
57	4937.00	42310.00	11610.00	74030.00	4716.00	68210.00	57
58	10570.00	75950.00	2184.00	86150.00	10430.00	86260.00	58
59	9207.00	62760.00	-5888.00	73580.00	4712.00	73500.00	59
60	7386.00	70040.00	-6784.00	80770.00	3392.00	80980.00	60
61	3744.00	75500.00	-1856.00	92880.00	2072.00	87580.00	61
62	1935.00	45480.00	6232.00	49810.00	-1443.00	53250.00	62
63	1480.00	68680.00	7576.00	76280.00	3832.00	82300.00	63
64	4210.00	32290.00	1296.00	35900.00	317.50	37410.00	64
65	4664.00	36390.00	3091.00	42180.00	2078.00	42690.00	65
66	5119.00	39570.00	3091.00	45770.00	1638.00	47530.00	66
67	4209.00	51400.00	4437.00	58780.00	3838.00	61170.00	67
68	6028.00	50490.00	6232.00	57880.00	4718.00	59410.00	68
69	4664.00	56400.00	6227.00	63260.00	3396.00	67770.00	69
70	5570.00	61850.00	7127.00	69550.00	6032.00	72180.00	70
71	10120.00	63670.00	-12620.00	72250.00	-4088.00	75260.00	71
72	9666.00	72320.00	-10830.00	83900.00	-1008.00	85380.00	72
73	1928.00	83690.00	-19350.00	98710.00	-4536.00	103900.00	73
74	8756.00	66860.00	-13520.00	80320.00	312.00	80540.00	74
75	-339.00	64130.00	-14860.00	70000.00	-9806.00	74820.00	75
76	-1712.00	111900.00	7120.00	115300.00	-576.00	114900.00	76
77	1472.00	95970.00	-16220.00	107200.00	-11580.00	118800.00	77
78	1928.00	89140.00	-16210.00	103600.00	-9816.00	111800.00	78
79	5568.00	100100.00	6224.00	115300.00	744.00	111800.00	79
80	11030.00	71860.00	-4096.00	81660.00	7792.00	83620.00	80

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TGW 20800 TBCG 9+7 AFT FLIGHT DATE 08/11/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	324600.00	23070.00	400200.00	301500.00	864.00	84900.00	2
3	3A8800.00	8336.00	387400.00	360500.00	2848.00	70290.00	3
4	349500.00	7696.00	382300.00	361800.00	2063.00	63180.00	4
5	372000.00	10260.00	383600.00	352800.00	1268.00	66330.00	5
6	354700.00	8328.00	372000.00	345100.00	872.00	68310.00	6
7	3A3000.00	8976.00	381000.00	354100.00	1273.00	60810.00	7
8	342500.00	11540.00	356600.00	318200.00	1668.00	28040.00	8
9	329100.00	8328.00	342500.00	319500.00	2853.00	28430.00	9
10	321000.00	7688.00	341200.00	320800.00	3642.00	29220.00	10
11	305400.00	7688.00	319500.00	297700.00	1273.00	37910.00	11
12	325200.00	9616.00	338700.00	311800.00	1273.00	33170.00	12
13	313100.00	8976.00	331000.00	304100.00	878.50	36720.00	13
14	297000.00	21140.00	350200.00	250200.00	483.00	44230.00	14
15	288700.00	19220.00	367900.00	266900.00	-701.00	44620.00	15
16	288100.00	14740.00	364100.00	270800.00	-3071.00	43830.00	16
17	294500.00	14740.00	369200.00	237400.00	-5447.00	67530.00	17
18	325900.00	17950.00	343800.00	290000.00	-320.00	86080.00	18
19	306600.00	23070.00	352800.00	233600.00	1273.00	62390.00	19
20	302200.00	14740.00	333600.00	245100.00	-4255.00	56070.00	20
21	326100.00	10260.00	352800.00	318200.00	1273.00	43440.00	21
22	3A3700.00	18580.00	383600.00	334800.00	878.00	44620.00	22
23	3A1100.00	18590.00	386100.00	252800.00	-4264.00	74230.00	23
24	324800.00	21790.00	384800.00	249000.00	872.00	72260.00	24
25	279700.00	16660.00	365400.00	260500.00	4037.00	46990.00	25
26	272700.00	25000.00	367900.00	247700.00	-1491.00	45410.00	26
27	274600.00	17940.00	313100.00	256700.00	6400.00	78580.00	27
28	272000.00	17940.00	245100.00	249000.00	-2676.00	53700.00	28
29	272000.00	16660.00	247700.00	255400.00	-2676.00	50540.00	29
30	302800.00	26910.00	347700.00	240000.00	5616.00	82530.00	30
31	347700.00	32050.00	383600.00	214400.00	-9392.00	58050.00	31
32	324000.00	49340.00	382300.00	214400.00	-9791.00	60820.00	32
33	217600.00	12180.00	256700.00	204100.00	2063.00	56070.00	33
34	158600.00	9608.00	172100.00	141300.00	4432.00	37910.00	34
35	88100.00	10900.00	162800.00	66940.00	2458.00	28830.00	35
36	343200.00	12180.00	355400.00	282300.00	3247.00	55680.00	36
37	37480.00	7691.00	46450.00	15690.00	1668.00	35140.00	37
38	44450.00	11540.00	40550.00	11840.00	2853.00	49750.00	38
39	51570.00	14090.00	77200.00	4149.00	4827.00	54890.00	39
40	24660.00	10250.00	40040.00	14400.00	7591.00	48170.00	40
41	33630.00	11540.00	45170.00	18250.00	-5045.00	31590.00	41
42	32350.00	14100.00	70800.00	4149.00	-13740.00	63970.00	42
43	204700.00	13460.00	218200.00	184900.00	-7416.00	80550.00	43
44	243800.00	14100.00	257900.00	222000.00	1264.00	94770.00	44
45	265000.00	18580.00	291300.00	245100.00	13900.00	120000.00	45
46	278400.00	19230.00	306600.00	255400.00	8768.00	96740.00	46
47	328400.00	38460.00	372000.00	287400.00	28110.00	156400.00	47
48	342500.00	37180.00	381000.00	293800.00	20620.00	138600.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TEGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
49	335500.00	32690.00	372000.00	296400.00	10740.00	131100.00	49
50	334800.00	44860.00	379700.00	287400.00	32850.00	158700.00	50
51	338000.00	45500.00	383600.00	287400.00	28110.00	161100.00	51
52	230400.00	10900.00	245100.00	213100.00	1273.00	61600.00	52
53	300900.00	14740.00	315600.00	274600.00	4037.00	47780.00	53
54	288700.00	12820.00	343800.00	275900.00	-306.00	23690.00	54
55	349600.00	16020.00	345600.00	315600.00	2853.00	39490.00	55
56	333600.00	46140.00	379700.00	287400.00	2458.00	38300.00	56
57	312400.00	18580.00	334800.00	277200.00	17070.00	45800.00	57
58	294000.00	15380.00	378400.00	273300.00	2458.00	55680.00	58
59	234900.00	10260.00	246400.00	214400.00	-712.00	73050.00	59
60	204200.00	11540.00	222000.00	193800.00	-1504.00	87260.00	60
61	257300.00	18590.00	279700.00	201500.00	26540.00	176100.00	61
62	241300.00	8968.00	255400.00	231000.00	4037.00	43830.00	62
63	341200.00	21790.00	345600.00	307900.00	9952.00	87660.00	63
64	188100.00	8336.00	201500.00	174600.00	-3861.00	58050.00	64
65	184200.00	9608.00	193800.00	168200.00	-1836.00	71080.00	65
66	204700.00	11540.00	213500.00	193800.00	872.00	78580.00	66
67	232300.00	19230.00	264400.00	209200.00	30090.00	125200.00	67
68	242400.00	17300.00	279700.00	209200.00	6792.00	90820.00	68
69	277800.00	19870.00	297700.00	240000.00	22580.00	115300.00	69
70	241300.00	25630.00	318200.00	256700.00	44300.00	148100.00	70
71	20170.00	7050.00	27220.00	10560.00	-10970.00	69890.00	71
72	19530.00	8973.00	26190.00	5431.00	-8601.00	72260.00	72
73	48360.00	31400.00	81060.00	-9951.00	-10980.00	84110.00	73
74	19530.00	12820.00	22350.00	2867.00	-12940.00	67920.00	74
75	24020.00	18590.00	42600.00	5431.00	-24010.00	71080.00	75
76	24020.00	21150.00	45170.00	-22260.00	11920.00	82530.00	76
77	40030.00	35890.00	141300.00	-24050.00	-14920.00	79370.00	77
78	47460.00	43580.00	131000.00	2867.00	-7816.00	74630.00	78
79	54140.00	26920.00	150300.00	-12520.00	5216.00	78980.00	79
80	272700.00	23710.00	345600.00	78480.00	2448.00	83310.00	80

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-4352.00	91020.00	-3064.00	77580.00	-3584.00	81220.00	2
3	-5152.00	71780.00	975.50	63670.00	-2222.00	62710.00	3
4	-3947.00	63370.00	-817.50	58290.00	-1320.00	55490.00	4
5	-2741.00	66970.00	-2612.00	60980.00	-868.50	58650.00	5
6	-4342.00	67770.00	-818.00	62780.00	34.00	59550.00	6
7	-2336.00	60950.00	-3060.00	56950.00	-868.00	54140.00	7
8	-8351.00	27670.00	-369.50	25560.00	-5831.00	27520.00	8
9	-4346.00	28870.00	-817.50	28700.00	-3575.00	27970.00	9
10	-7148.00	31280.00	3667.00	28700.00	-4027.00	28420.00	10
11	-4341.00	34090.00	79.00	37670.00	-4478.00	33390.00	11
12	-5544.00	32880.00	527.50	33630.00	-3124.00	30230.00	12
13	-4742.00	35290.00	-1267.00	36320.00	-2673.00	33390.00	13
14	-2336.00	46520.00	-2612.00	42150.00	-3124.00	40150.00	14
15	-1133.00	45310.00	-2612.00	43050.00	2290.00	40150.00	15
16	-5143.00	44510.00	-3509.00	44840.00	-2673.00	43310.00	16
17	-8351.00	64560.00	-12030.00	66820.00	-7643.00	63620.00	17
18	-8360.00	79800.00	-14280.00	80710.00	-13960.00	73550.00	18
19	-4341.00	58950.00	975.50	58290.00	-2222.00	52790.00	19
20	-5544.00	56940.00	-6648.00	51570.00	-2222.00	53690.00	20
21	-7549.00	44510.00	1424.00	39010.00	-1771.00	38800.00	21
22	-5544.00	47320.00	2770.00	37670.00	-4026.00	38350.00	22
23	-7556.00	72590.00	-5308.00	69060.00	-4483.00	64970.00	23
24	-5951.00	68580.00	-7550.00	65920.00	-4033.00	62720.00	24
25	471.50	46920.00	2321.00	51570.00	1839.00	46920.00	25
26	-6346.00	45710.00	-6647.00	42600.00	-5380.00	46020.00	26
27	-9160.00	75780.00	10840.00	71740.00	24.00	69480.00	27
28	-6747.00	49320.00	-1267.00	51570.00	-2673.00	51430.00	28
29	-3138.00	50530.00	-6647.00	47980.00	936.50	46920.00	29
30	-1144.00	87020.00	-11140.00	76680.00	1832.00	74890.00	30
31	-14370.00	56140.00	-7545.00	59640.00	-15760.00	57300.00	31
32	-2336.00	60150.00	-13380.00	60090.00	-1771.00	60460.00	32
33	-4747.00	53330.00	3218.00	50670.00	-4478.00	46920.00	33
34	-1935.00	39700.00	3667.00	34080.00	-417.00	34740.00	34
35	-9153.00	30080.00	-3509.00	27800.00	-1771.00	27970.00	35
36	-7549.00	54140.00	1873.00	48430.00	-417.00	47370.00	36
37	-7148.00	36890.00	-4405.00	32290.00	-417.00	34740.00	37
38	-7950.00	53730.00	-818.00	41250.00	-3124.00	45570.00	38
39	-4346.00	56940.00	975.50	43050.00	34.00	46920.00	39
40	-1534.00	46520.00	527.50	39010.00	4546.00	37000.00	40
41	-4747.00	34090.00	-10680.00	35870.00	34.00	33390.00	41
42	-9559.00	65770.00	-11130.00	53360.00	-3575.00	54140.00	42
43	-2744.00	84620.00	-11580.00	72640.00	3184.00	74450.00	43
44	-7152.00	95440.00	-2168.00	83850.00	-2680.00	87530.00	44
45	-15580.00	111100.00	5904.00	100900.00	-11250.00	93390.00	45
46	-7160.00	98650.00	7248.00	85200.00	-4480.00	89330.00	46
47	-1536.00	141200.00	13070.00	137700.00	-9904.00	122700.00	47
48	-10360.00	129900.00	10830.00	124700.00	-13060.00	111400.00	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TDGW 20800 TCCR 9.7 AFT FLIGHT DATE 08/11/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
49	64.00	125900.00	72.00	113000.00	-4936.00	105100.00	49
50	-5544.00	156400.00	10380.00	141200.00	8144.00	123600.00	50
51	-14370.00	154000.00	16220.00	144400.00	928.00	122700.00	51
52	-1535.00	64160.00	-2164.00	56050.00	1839.00	57750.00	52
53	-731.50	47320.00	527.50	46190.00	3192.00	43760.00	53
54	-4742.00	24060.00	-2163.00	23770.00	34.00	24360.00	54
55	-8351.00	37290.00	1425.00	39910.00	-8989.00	35190.00	55
56	70.50	33680.00	1873.00	38560.00	7704.00	32940.00	56
57	2878.00	43710.00	13080.00	43500.00	2290.00	42860.00	57
58	1274.00	54140.00	-2612.00	52910.00	5448.00	49630.00	58
59	464.00	72580.00	-5757.00	65920.00	4093.00	64520.00	59
60	-5552.00	90620.00	-9800.00	78020.00	-424.00	80760.00	60
61	-7160.00	175600.00	12180.00	147500.00	1832.00	135400.00	61
62	-5143.00	41300.00	-369.50	39910.00	-417.00	38350.00	62
63	-11570.00	85410.00	9040.00	86100.00	-5840.00	79860.00	63
64	-1935.00	58150.00	-11580.00	54710.00	5448.00	52340.00	64
65	-736.00	69780.00	-12030.00	66820.00	7253.00	63160.00	65
66	-2744.00	79000.00	-9788.00	72640.00	3632.00	70380.00	66
67	-11970.00	121100.00	9488.00	98210.00	-3128.00	97000.00	67
68	-2744.00	90230.00	-824.00	79820.00	480.00	79860.00	68
69	-4752.00	113100.00	3040.00	94160.00	1384.00	92490.00	69
70	-1536.00	146800.00	P2500.00	122900.00	9048.00	120000.00	70
71	64.00	68980.00	-20110.00	71300.00	4088.00	70840.00	71
72	7286.00	68970.00	-20550.00	71750.00	7252.00	70380.00	72
73	1264.00	83810.00	-21450.00	84310.00	4992.00	86180.00	73
74	8084.00	71370.00	-24140.00	71750.00	3640.00	71290.00	74
75	1664.00	71380.00	-23110.00	76240.00	4984.00	74440.00	75
76	-1136.00	89420.00	-16960.00	80720.00	5888.00	75340.00	76
77	-336.00	78990.00	-25930.00	85200.00	4984.00	85270.00	77
78	3672.00	83820.00	-29070.00	76690.00	6344.00	81210.00	78
79	20110.00	79390.00	-27720.00	71750.00	21630.00	74890.00	79
80	12500.00	81410.00	-5752.00	80260.00	4088.00	76250.00	80

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	263.20	264.90	262.80	1.07	1.11	.98	2
3	264.50	264.60	264.10	1.01	1.02	.99	3
4	264.20	264.40	264.10	1.00	1.01	.99	4
5	264.00	264.40	263.90	1.02	1.04	.98	5
6	264.30	264.60	264.10	1.01	1.02	.99	6
7	263.30	263.50	263.10	1.02	1.03	1.00	7
8	264.30	264.40	264.10	1.00	1.01	.98	8
9	264.30	264.40	264.30	1.03	1.04	1.01	9
10	264.20	264.40	264.10	1.02	1.04	1.00	10
11	264.30	264.40	264.10	1.00	1.01	.99	11
12	264.00	264.10	263.90	1.00	1.01	.99	12
13	264.10	264.30	263.90	.99	1.01	.97	13
14	264.20	264.60	263.30	.98	1.05	.95	14
15	264.20	264.30	263.70	1.01	1.03	1.00	15
16	264.00	264.30	263.90	1.00	1.01	.99	16
17	264.00	265.30	263.70	.95	1.03	.93	17
18	264.30	264.40	263.90	1.00	1.02	.98	18
19	263.40	264.90	262.40	1.03	1.11	.97	19
20	264.80	265.40	262.60	1.06	1.09	.97	20
21	264.10	264.30	263.70	1.01	1.02	1.00	21
22	259.90	260.10	259.40	.99	1.00	.98	22
23	263.50	265.40	261.60	1.02	1.12	.98	23
24	263.90	264.50	262.90	.95	1.11	.94	24
25	263.60	264.40	263.30	1.01	1.02	.98	25
26	264.00	264.40	263.50	1.00	1.02	.97	26
27	263.80	264.60	263.30	1.01	1.03	.95	27
28	264.20	264.30	264.10	1.00	1.03	.99	28
29	264.00	264.30	263.90	1.01	1.02	1.00	29
30	265.70	266.40	263.10	1.05	1.15	.86	30
31	266.90	270.40	262.90	1.08	1.24	.95	31
32	266.90	271.10	262.80	1.10	1.31	.93	32
33	264.30	265.10	262.80	1.06	1.08	.97	33
34	265.30	265.80	263.90	.98	1.05	.94	34
35	264.00	267.40	263.30	1.04	1.06	.97	35
36	260.20	262.90	259.20	1.06	1.07	1.01	36
37	279.80	280.80	275.40	.91	1.01	.89	37
38	273.60	280.90	271.90	1.08	1.19	.94	38
39	273.70	286.70	266.40	1.13	1.43	.92	39
*0	274.10	274.40	271.60	1.00	1.01	.92	*0
*1	279.00	279.40	278.40	1.00	1.06	.95	*1
*2	268.00	276.50	261.60	1.11	1.17	.88	*2
*3	263.70	264.30	263.50	.97	1.02	.96	*3
*4	264.80	265.10	263.30	1.04	1.07	.92	*4
*5	264.30	264.40	263.30	1.05	1.11	.89	*5
*6	263.60	264.40	263.50	.97	1.06	.93	*6
*7	264.30	264.60	263.90	1.03	1.14	1.00	*7
*8	263.80	264.10	263.50	1.07	1.09	.98	*8

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TGW 20800 TRCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
49	263.90	264.40	263.70	.97	1.07	.93	49
50	263.80	264.40	263.70	.99	1.09	.89	50
51	264.30	264.40	263.70	.94	1.10	.92	51
52	264.80	264.90	264.30	.99	1.03	.95	52
53	264.10	264.30	263.90	1.02	1.03	1.00	53
54	264.80	265.60	263.70	.97	1.02	.94	54
55	264.70	264.90	263.70	1.02	1.03	.99	55
56	264.50	265.10	263.90	1.00	1.05	.97	56
57	264.10	264.60	263.50	.98	1.01	.95	57
58	245.90	247.50	245.30	1.06	1.10	.94	58
59	246.80	247.40	246.70	.99	1.01	.97	59
60	246.80	247.40	246.20	1.01	1.02	.98	60
61	247.60	248.40	246.70	.96	1.12	.90	61
62	247.40	247.70	247.20	.99	1.00	.94	62
63	264.10	264.40	263.70	1.07	1.10	.97	63
64	263.90	264.60	263.50	1.00	1.01	.96	64
65	264.80	265.40	264.30	1.02	1.04	.94	65
66	263.50	264.30	263.30	1.01	1.02	.98	66
67	264.80	265.10	263.90	1.14	1.16	.98	67
68	264.10	265.40	263.50	.96	.97	.92	68
69	263.80	264.60	263.50	.94	1.01	.88	69
70	264.10	264.30	263.90	.99	1.02	.98	70
71	277.40	277.60	276.70	.98	1.00	.95	71
72	279.40	280.80	278.00	1.07	1.17	1.00	72
73	277.70	285.80	259.90	1.46	1.62	.92	73
74	275.60	277.80	274.80	1.08	1.10	.97	74
75	279.50	280.80	279.30	.98	1.06	.93	75
76	276.50	279.30	275.70	.96	1.05	.89	76
77	275.10	286.50	262.00	1.53	1.83	.77	77
78	276.40	281.40	261.80	1.47	1.78	.85	78
79	277.10	286.30	255.70	1.15	1.64	1.06	79
80	264.80	267.00	261.30	.99	1.12	.92	80

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	-1.64	.16	-2.30	-11.84	1.40	-13.99	2
3	-1.31	.99	-1.64	-.32	.11	-.75	3
4	-3.03	-2.13	-4.59	.20	.89	-.23	4
5	.98	1.31	-.17	-1.57	1.75	-2.13	5
6	.90	1.80	.16	-1.61	-.32	-2.13	6
7	-.91	-.00	-1.48	1.06	2.43	.28	7
8	.73	.98	.16	6.52	6.91	5.79	8
9	2.29	2.45	1.63	4.93	6.22	4.50	9
10	-2.38	-1.48	-3.11	6.99	8.20	6.82	10
11	-1.81	-1.31	-2.13	3.04	3.98	2.69	11
12	-1.15	-.99	-2.30	4.46	5.27	4.15	12
13	1.63	2.78	1.31	2.86	4.67	2.52	13
14	-.17	1.31	.82	4.41	7.60	3.04	14
15	-.82	-.33	-.99	4.71	5.53	4.15	15
16	.73	.98	.32	3.81	4.33	3.12	16
17	-.17	-.00	-1.15	-.46	4.50	-.92	17
18	-.17	.49	-.33	-1.01	2.18	-1.61	18
19	3.11	12.11	-.66	8.33	11.21	3.72	19
20	-10.32	6.22	-16.87	5.79	7.34	2.86	20
21	.65	1.63	.49	6.48	6.91	4.67	21
22	-.17	.49	-1.48	6.09	7.25	5.27	22
23	8.26	20.79	-.33	8.20	11.21	4.07	23
24	-2.62	2.45	-20.80	7.64	8.45	2.09	24
25	-1.48	-.00	-2.95	3.85	5.02	3.21	25
26	-.58	-.00	-.82	3.72	5.44	3.29	26
27	-.58	1.31	-1.97	3.47	4.07	2.43	27
28	-1.64	-.50	-2.13	3.25	4.15	2.09	28
29	.65	1.31	-1.31	4.59	5.27	3.98	29
30	-.17	1.14	-1.31	-4.06	7.85	-7.80	30
31	1.31	1.47	.32	3.21	4.59	2.52	31
32	-.74	.16	-.99	2.78	5.96	2.09	32
33	-.17	.16	-.50	4.97	5.88	3.12	33
34	-.17	1.14	-.66	6.95	7.68	5.96	34
35	-2.30	-.82	-2.62	6.69	7.34	6.31	35
36	-1.64	1.47	-2.13	-.40	3.64	-1.26	36
37	-1.81	-1.64	-2.30	6.13	7.51	5.19	37
38	3.92	34.21	-3.44	4.24	5.44	-1.87	38
39	-16.13	2.61	-39.13	-7.37	13.79	-10.21	39
40	.16	.81	-1.48	7.08	7.60	5.88	40
41	2.45	3.11	1.80	6.52	7.25	5.79	41
42	.81	3.76	-.00	3.04	5.79	2.26	42
43	-.17	2.12	-.99	-.83	.71	-1.78	43
44	-.17	1.31	-.33	-2.64	-.66	-5.22	44
45	-.17	.49	-.50	-3.41	-1.87	-7.28	45
46	-.66	1.80	-.99	-6.30	-5.31	-7.54	46
47	-1.81	1.80	-2.13	-7.80	-2.64	-8.06	47
48	-.17	.32	-.99	-6.12	-5.05	-6.68	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TODW 2n800 TACG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
49	-0.91	-0.50	-1.31	-7.97	-6.43	-8.75	49
50	-0.17	.98	-0.66	-8.66	-6.43	-9.95	50
51	.90	1.14	-0.00	-8.45	-5.91	-8.75	51
52	-0.33	.49	-0.50	.93	1.57	-1.18	52
53	.49	1.14	-0.00	2.91	3.81	.89	53
54	.81	2.61	-1.64	2.26	3.81	1.57	54
55	-0.66	-0.17	-3.28	3.55	4.24	2.95	55
56	-0.25	.32	-1.31	4.20	6.48	3.64	56
57	-0.66	.16	-1.97	5.83	6.31	4.50	57
58	-1.89	.49	-3.93	-4.06	3.64	-4.62	58
59	1.63	1.96	-0.17	-7.71	-0.15	-2.30	59
60	-0.25	.98	-0.66	-3.07	-2.38	-3.93	60
61	.49	1.47	-1.48	-7.59	-2.13	-7.89	61
62	-0.17	.81	-1.15	-0.36	.28	-2.21	62
63	-1.31	-0.17	-1.48	-2.25	-0.83	-3.76	63
64	1.63	3.43	.81	2.43	3.04	1.14	64
65	-0.66	-0.17	-1.31	-1.35	-0.23	-1.95	65
66	-0.99	-0.82	-2.79	-1.78	-0.83	-2.21	66
67	-0.74	-0.50	-1.48	-2.60	-1.78	-4.88	67
68	-1.15	-0.82	-1.48	-5.05	-4.10	-5.39	68
69	-0.66	1.80	-1.97	-8.36	-5.56	-8.92	69
70	-1.81	.98	-1.97	-7.46	-6.77	-8.58	70
71	1.39	9.00	-2.46	5.32	5.53	2.35	71
72	20.29	36.34	19.64	4.11	4.50	3.21	72
73	-16.30	.49	-49.45	-3.50	4.07	-11.16	73
74	-1.15	.65	-2.95	4.97	5.62	3.90	74
75	3.35	3.76	1.96	4.46	5.10	3.55	75
76	1.22	2.45	.49	1.83	2.86	1.06	76
77	.49	2.29	-0.66	-5.31	3.55	-14.17	77
78	2.12	3.43	1.47	-1.18	2.52	-1.69	78
79	-13.59	-3.61	-53.38	-7.59	2.26	-14.85	79
80	-0.17	3.60	-1.48	5.79	11.55	-0.49	80

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126
TBCW 20800 TBCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	166700.00	20100.00	230800.00	140100.00	-2712.00	84820.00	2
4	244500.00	12320.00	243300.00	230800.00	5776.00	44190.00	4
5	253500.00	14910.00	272300.00	230800.00	-474.00	48660.00	5
6	243900.00	69370.00	343600.00	160800.00	2204.00	43300.00	6
7	254800.00	51220.00	372200.00	177700.00	52190.00	121000.00	7
8	220500.00	12960.00	245100.00	201000.00	-27.50	58930.00	8
9	142100.00	11670.00	182900.00	142700.00	-2712.00	74100.00	9
10	140100.00	7784.00	151800.00	111600.00	-2272.00	71870.00	10
11	218500.00	13620.00	238600.00	199700.00	4872.00	74550.00	11
12	274900.00	15560.00	290500.00	246400.00	7104.00	73220.00	12
13	291100.00	22700.00	317700.00	263300.00	13350.00	79460.00	13
14	284600.00	24640.00	328100.00	255500.00	14250.00	78560.00	14
15	298300.00	28530.00	341100.00	267200.00	12460.00	82140.00	15
16	302800.00	34360.00	350100.00	246400.00	12460.00	85710.00	16
17	200400.00	12320.00	225700.00	137500.00	864.00	81250.00	17
18	177000.00	17500.00	203600.00	116800.00	-32.00	72320.00	18
19	197800.00	31770.00	246400.00	119300.00	3536.00	76780.00	19
20	179600.00	21390.00	238600.00	124500.00	408.00	79020.00	20
21	140700.00	25280.00	268800.00	101200.00	9784.00	80360.00	21
22	131700.00	16210.00	207500.00	41560.00	-7624.00	88840.00	22
23	233400.00	25930.00	274900.00	173800.00	-1376.00	78130.00	23
24	233400.00	33710.00	324200.00	179000.00	-4504.00	91960.00	24
25	180900.00	11020.00	203400.00	93410.00	-3608.00	74100.00	25
26	192000.00	12960.00	247700.00	166000.00	-32.00	81250.00	26
27	142000.00	20100.00	194500.00	64890.00	-1824.00	86610.00	27
28	223100.00	20750.00	247200.00	150500.00	2640.00	84820.00	28
29	223100.00	18160.00	272300.00	99890.00	-2272.00	99550.00	29
30	150500.00	19450.00	277500.00	50630.00	-928.00	89280.00	30
31	240700.00	20750.00	291800.00	239900.00	23630.00	79910.00	31
32	243300.00	22040.00	290500.00	241200.00	33900.00	79460.00	32
33	274200.00	32410.00	315100.00	225700.00	10230.00	72760.00	33
34	245900.00	27230.00	294400.00	238600.00	8000.00	74990.00	34
35	129200.00	26300.00	249700.00	33780.00	8449.00	70980.00	35
36	179600.00	23980.00	208800.00	33780.00	-928.00	70530.00	36

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126

TOW 20800 TBCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	19650.00	80510.00	-13990.00	98740.00	9144.00	97190.00	2
4	-3996.00	48670.00	-76.00	49820.00	-12840.00	55850.00	4
5	-1267.00	55040.00	-6809.00	52960.00	-9317.00	61130.00	5
6	4646.00	41850.00	-4565.00	49820.00	-2719.00	49260.00	6
7	7824.00	110500.00	52430.00	134700.00	8272.00	120100.00	7
8	6465.00	56400.00	-8159.00	66880.00	-1400.00	65530.00	8
9	8740.00	73230.00	-12210.00	85280.00	2532.00	86200.00	9
10	9649.00	72320.00	-11750.00	82140.00	1232.00	84000.00	10
11	7824.00	74140.00	-528.00	86180.00	-88.00	83560.00	11
12	9642.00	73220.00	3952.00	85280.00	2992.00	84000.00	12
13	6920.00	81420.00	10690.00	93810.00	6064.00	95870.00	13
14	7824.00	80510.00	9336.00	96950.00	3864.00	95430.00	14
15	11920.00	82780.00	10690.00	96500.00	10020.00	97190.00	15
16	10550.00	87780.00	7096.00	106400.00	8272.00	104200.00	16
17	12830.00	77320.00	-8160.00	94700.00	7824.00	89710.00	17
18	13740.00	69130.00	-12660.00	83940.00	3872.00	84880.00	18
19	16920.00	75050.00	-5920.00	91570.00	13540.00	84870.00	19
20	12830.00	77320.00	-15340.00	92020.00	3424.00	94110.00	20
21	18290.00	80960.00	368.00	96050.00	15300.00	95430.00	21
22	13290.00	87780.00	-22980.00	105000.00	4312.00	108200.00	22
23	4456.00	77320.00	-8168.00	88420.00	-2728.00	90600.00	23
24	4000.00	89600.00	-13100.00	105900.00	-3168.00	105100.00	24
25	8285.00	73680.00	-13100.00	84380.00	-2728.00	87080.00	25
26	11010.00	79140.00	-12210.00	94260.00	352.00	94560.00	26
27	14190.00	86880.00	-12200.00	100500.00	4312.00	102900.00	27
28	4456.00	82780.00	-5472.00	95600.00	792.00	95000.00	28
29	16010.00	97780.00	-14450.00	118000.00	7832.00	118700.00	29
30	14460.00	86420.00	-9960.00	103700.00	6512.00	106900.00	30
31	-5368.00	85510.00	26410.00	90670.00	-15040.00	93230.00	31
32	-4008.00	75960.00	-21180.00	94260.00	-20760.00	100700.00	32
33	12350.00	75050.00	4408.00	87530.00	9152.00	87520.00	33
34	7368.00	76410.00	6200.00	87530.00	-9320.00	99830.00	34
35	1456.00	72320.00	1704.00	89320.00	3872.00	86640.00	35
36	3733.00	69130.00	-10860.00	81240.00	-9768.00	82680.00	36

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126
T8GW 20800 T8CG 9+7 AFT FLIGHT DATE 08/11/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	297800.00	15380.00	341800.00	273400.00	5600.00	84910.00	2
4	309300.00	10260.00	323400.00	299000.00	3636.00	30020.00	4
5	320200.00	14740.00	340000.00	291300.00	4426.00	33970.00	5
6	308600.00	63450.00	411800.00	240100.00	-1894.00	32390.00	6
7	322100.00	49990.00	406700.00	233600.00	33260.00	81750.00	7
8	345800.00	9608.00	356700.00	323400.00	4821.00	43840.00	8
9	249500.00	14100.00	240100.00	245200.00	4024.00	78600.00	9
10	266100.00	14740.00	229800.00	191400.00	-320.00	82940.00	10
11	271500.00	17300.00	245200.00	247800.00	4416.00	90050.00	11
12	318300.00	20510.00	345200.00	292600.00	11920.00	89650.00	12
13	346500.00	34610.00	381100.00	305400.00	18240.00	119700.00	13
14	342000.00	30120.00	372100.00	300300.00	19430.00	120900.00	14
15	340000.00	34610.00	386200.00	305400.00	34820.00	124400.00	15
16	348900.00	53190.00	422100.00	284900.00	29700.00	164300.00	16
17	272100.00	16660.00	326000.00	245200.00	464.00	83730.00	17
18	292600.00	17940.00	334900.00	245200.00	1648.00	76220.00	18
19	309300.00	20760.00	372100.00	251600.00	9553.00	62000.00	19
20	298400.00	22430.00	355400.00	267000.00	-320.00	86100.00	20
21	36000.00	16000.00	384900.00	226000.00	72.00	93610.00	21
22	227200.00	23070.00	250300.00	163200.00	-5036.00	135100.00	22
23	304800.00	19870.00	324700.00	234900.00	2048.00	87680.00	23
24	378500.00	39740.00	440000.00	238800.00	5208.00	109000.00	24
25	197800.00	19230.00	283600.00	174700.00	-3080.00	98340.00	25
26	318300.00	19230.00	337500.00	242600.00	2048.00	99520.00	26
27	252200.00	18590.00	273400.00	204200.00	4416.00	100300.00	27
28	301000.00	27560.00	340300.00	226000.00	-3480.00	129500.00	28
29	245700.00	34610.00	414400.00	229800.00	-7040.00	127600.00	29
30	311800.00	30760.00	347000.00	213200.00	-7032.00	150500.00	30
31	313100.00	21790.00	343900.00	276000.00	9952.00	83730.00	31
32	308000.00	25630.00	350300.00	282400.00	14290.00	92820.00	32
33	315000.00	39100.00	354100.00	264400.00	18640.00	94000.00	33
34	313800.00	37820.00	351600.00	276000.00	11140.00	87280.00	34
35	256100.00	66010.00	322100.00	50360.00	17060.00	185600.00	35
36	172100.00	20770.00	358000.00	117000.00	72.00	85700.00	36

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126
TGWK 20800 TBCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	448.00	87020.00	-8368.00	78450.00	8184.00	79370.00	2
4	-1550.00	33690.00	-7462.00	29140.00	9091.00	31570.00	4
5	-3155.00	36090.00	-8807.00	31380.00	5483.00	31570.00	5
6	6471.00	32890.00	-13290.00	33170.00	13600.00	32470.00	6
7	12480.00	83820.00	-24220.00	66340.00	23970.00	74410.00	7
8	5669.00	40910.00	-3876.00	41690.00	10440.00	40140.00	8
9	848.00	81810.00	-6568.00	73060.00	9088.00	74860.00	9
10	1248.00	87020.00	-11950.00	75760.00	10440.00	78920.00	10
11	-2360.00	95450.00	-7024.00	79790.00	5480.00	88390.00	11
12	-4368.00	91040.00	1944.00	77100.00	968.00	83880.00	12
13	-11180.00	116300.00	10460.00	108000.00	-7152.00	103700.00	13
14	-9976.00	119900.00	5080.00	104400.00	-6248.00	107300.00	14
15	-3968.00	127500.00	17640.00	99960.00	-384.00	108700.00	15
16	-5168.00	153600.00	10020.00	147000.00	7728.00	128500.00	16
17	-752.00	90640.00	-8368.00	78450.00	2768.00	83890.00	17
18	2856.00	77400.00	-9255.00	73960.00	3216.00	75310.00	18
19	4465.00	61360.00	-1635.00	60960.00	12240.00	55470.00	19
20	-4768.00	91440.00	-5232.00	83380.00	64.00	87490.00	20
21	6064.00	95860.00	-11950.00	90990.00	14490.00	88390.00	21
22	-2760.00	140000.00	-14640.00	125100.00	3672.00	128100.00	22
23	-1960.00	92650.00	-7024.00	79790.00	4576.00	82980.00	23
24	-11580.00	111900.00	-2536.00	98620.00	-5800.00	102400.00	24
25	-7176.00	102700.00	-8816.00	87860.00	1416.00	95160.00	25
26	-1552.00	103500.00	-12850.00	90990.00	2776.00	95610.00	26
27	-3560.00	108700.00	-6576.00	93680.00	2320.00	101500.00	27
28	-13980.00	135200.00	-7464.00	125100.00	-16620.00	127600.00	28
29	-11180.00	137200.00	-6576.00	122400.00	-15720.00	134800.00	29
30	-11980.00	159600.00	-18670.00	139900.00	-6696.00	151100.00	30
31	848.00	85020.00	1048.00	73510.00	968.00	76660.00	31
32	-10780.00	93440.00	1496.00	84710.00	-11210.00	87940.00	32
33	-1960.00	95050.00	9568.00	82030.00	3672.00	87500.00	33
34	1648.00	84220.00	1496.00	79340.00	-7608.00	78920.00	34
35	11670.00	181700.00	-10610.00	163200.00	7280.00	161500.00	35
36	2448.00	85020.00	-10610.00	86960.00	10430.00	82530.00	36

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126
TUGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.80	265.30	263.70	1.01	1.09	.95	2
4	264.00	264.10	263.50	.99	1.00	.98	4
5	263.60	264.30	263.10	1.00	1.02	.97	5
6	264.30	265.10	263.50	1.00	1.06	.93	6
7	264.00	265.30	262.90	.98	1.03	.97	7
8	263.50	264.10	263.30	1.02	1.03	1.00	8
9	264.70	264.90	264.10	1.05	1.11	1.03	9
10	263.90	264.10	262.80	1.02	1.06	.96	10
11	264.30	264.40	263.30	1.03	1.11	.92	11
12	264.10	264.30	263.50	1.00	1.09	.92	12
13	264.10	264.40	263.90	1.06	1.09	.99	13
14	264.10	264.30	263.90	1.03	1.12	.90	14
15	264.20	264.40	263.50	1.01	1.06	.84	15
16	264.00	264.40	263.70	1.10	1.19	.96	16
17	264.30	264.90	263.10	1.20	1.32	1.04	17
18	263.30	264.30	263.10	1.10	1.30	1.05	18
19	263.50	264.60	262.60	1.03	1.20	.98	19
20	264.80	265.40	262.60	1.34	1.39	1.03	20
21	264.60	265.40	262.80	1.16	1.38	.99	21
22	266.60	269.60	261.40	.87	1.51	.68	22
23	264.50	269.40	262.80	.92	1.07	.90	23
24	267.70	271.80	262.20	1.20	1.51	.98	24
25	264.80	266.20	262.20	1.26	1.34	1.02	25
26	263.10	264.40	262.20	1.16	1.25	1.02	26
27	264.60	266.60	261.60	1.21	1.47	1.03	27
28	264.20	264.40	262.20	1.23	1.52	1.07	28
29	264.30	267.00	261.60	1.17	1.63	1.05	29
30	265.20	269.60	262.40	1.40	1.74	.99	30
31	263.20	264.40	262.90	.96	1.02	.94	31
32	264.20	264.40	263.90	1.05	1.09	1.00	32
33	263.90	265.10	263.50	1.04	1.13	.98	33
34	264.40	264.30	263.90	1.01	1.05	.97	34
35	267.70	270.10	263.90	1.05	1.61	.82	35
36	264.70	266.00	261.40	1.06	1.14	.93	36

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AIRCRAFT SLP1 FLIGHT 126
TGW 20800 TACG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	-2.25	1.63	-2.30	-2.38	-0.06	-4.27	2
4	-2.46	-1.81	-3.11	2.13	2.52	2.00	4
5	-1.81	-0.82	-2.46	2.61	3.64	2.43	5
6	-3.33	-0.00	-0.82	3.04	4.33	1.92	6
7	-2.38	-0.99	-3.93	5.10	5.70	3.90	7
8	-1.64	-1.48	-1.81	1.70	2.52	.46	8
9	-2.54	-1.97	-3.11	1.70	4.67	1.40	9
10	-2.05	-0.82	-2.30	-3.93	-2.21	-4.53	10
11	.24	.81	.50	-1.61	-1.18	-5.05	11
12	.57	1.14	.16	-6.08	-4.36	-6.77	12
13	-1.07	-0.33	-1.31	-6.77	-6.43	-7.46	13
14	-1.17	.81	-0.33	-7.80	-6.43	-9.69	14
15	-1.56	-0.50	-2.79	-9.05	-5.82	-9.35	15
16	-1.31	.49	-1.64	-7.46	-3.50	-9.61	16
17	-9.50	35.36	-38.48	5.75	8.37	-3.33	17
18	-18.75	-3.44	-38.64	-0.02	14.91	-4.88	18
19	19.72	28.48	17.18	11.77	16.63	8.37	19
20	-22.11	-19.82	-46.34	.93	11.55	-7.28	20
21	18.33	42.89	-.82	3.42	12.67	1.14	21
22	-1.17	.49	-.82	-.71	7.25	-15.89	22
23	-1.81	-1.31	-2.13	-3.24	-2.90	-4.45	23
24	-1.82	-0.00	-1.64	-2.60	-1.61	-4.27	24
25	-26.37	-18.83	-32.75	-1.74	2.78	-6.34	25
26	9.74	36.99	-10.97	-2.04	2.86	-10.30	26
27	-24.48	14.73	-44.86	-.92	3.90	-3.59	27
28	10.31	51.07	-7.04	-8.15	2.52	-11.76	28
29	-34.06	-2.79	-57.47	5.23	8.89	-4.88	29
30	33.80	54.02	-4.75	3.21	7.77	-3.59	30
31	-5.90	-2.95	-6.88	-6.81	-6.68	-7.20	31
32	-3.28	-2.13	-3.77	-5.35	-5.05	-6.43	32
33	-1.72	-1.31	-2.13	-4.79	-2.90	-5.39	33
34	-1.41	.17	-1.31	-4.36	-3.93	-4.88	34
35	-2.30	-0.82	-4.10	-4.53	2.86	-18.64	35
36	-3.44	.49	-5.24	4.03	6.91	-1.35	36

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FLIGHT LOADS

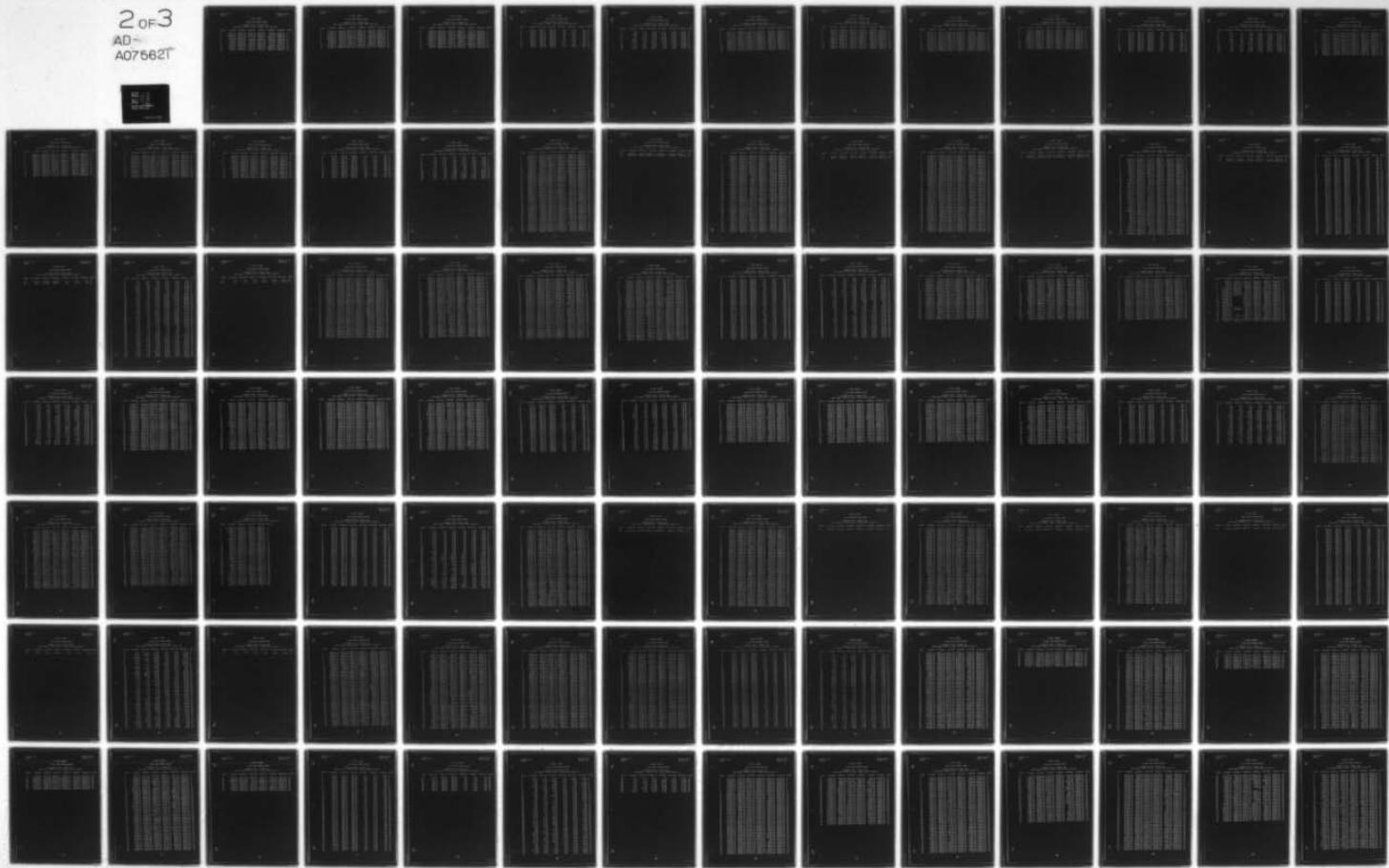
CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127
TGW 20800 TBCR 9.7 AFT FLIGHT DATE 08/15/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	135000.00	8416.00	149900.00	125300.00	7207.00	72350.00	2
3	175200.00	9712.00	192600.00	162900.00	5840.00	80990.00	3
4	177100.00	10350.00	191300.00	146000.00	6752.00	81900.00	4
5	234700.00	12300.00	253400.00	214600.00	5832.00	79180.00	5
6	213300.00	20700.00	252100.00	179700.00	4016.00	80990.00	6
7	142800.00	11000.00	145400.00	129200.00	8122.00	68710.00	7
8	107900.00	11000.00	125300.00	89100.00	2200.00	72810.00	8
9	42520.00	7764.00	50290.00	30880.00	3572.00	59610.00	9
10	284500.00	27170.00	318100.00	212000.00	2200.00	77350.00	10
11	193900.00	25880.00	241800.00	129200.00	5840.00	78270.00	11
12	151200.00	23300.00	253400.00	29580.00	10850.00	75990.00	12

AD-A075 621 BOEING VERTOL CO PHILADELPHIA PA F/G 1/3
CH-46 COMPOSITE ROTOR BLADE FLIGHT STRESS SURVEY DATA, VOLUME X--ETC(U)
1978 R AIELLO, J BENDO N00019-75-C-0396
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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127
T8GW 20800 T8CR 9.7 AFT FLIGHT DATE 08/15/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	-4672.00	73330.00	-5696.00	83150.00	4968.00	84090.00	2
3	-4224.00	82720.00	-7048.00	94390.00	4088.00	94650.00	3
4	-3776.00	84060.00	-6144.00	97090.00	3648.00	95090.00	4
5	-1088.00	82270.00	144.00	94380.00	8488.00	88490.00	5
6	2040.00	80940.00	5088.00	93940.00	5408.00	90690.00	6
7	248.00	71100.00	592.00	81360.00	6728.00	78810.00	7
8	5178.00	70650.00	4632.00	80010.00	120.00	79240.00	8
9	4731.00	56790.00	5090.00	64270.00	2768.00	66910.00	9
10	12770.00	73770.00	8680.00	90340.00	2328.00	91130.00	10
11	7408.00	75570.00	10480.00	91250.00	10250.00	92890.00	11
12	3384.00	76900.00	-1208.00	86740.00	8928.00	83650.00	12

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FLIGHT LOADS

CH-4A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127
T6GW 20800 TBCG 9+7 AFT FLIGHT DATE 08/15/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	214600.00	10260.00	292000.00	198600.00	-504.00	79700.00	2
3	242900.00	13480.00	257600.00	224300.00	-2872.00	97060.00	3
4	273200.00	12830.00	247300.00	199900.00	-120.00	103000.00	4
5	291600.00	17330.00	320500.00	273000.00	5408.00	101400.00	5
6	284600.00	23100.00	328200.00	240900.00	18030.00	133800.00	6
7	205000.00	11540.00	226800.00	183200.00	1864.00	89180.00	7
8	140800.00	8984.00	146500.00	131900.00	5016.00	81290.00	8
9	68990.00	10260.00	86940.00	58720.00	-7210.00	68260.00	9
10	321100.00	21440.00	352600.00	237100.00	12120.00	108900.00	10
11	297400.00	35940.00	342300.00	179300.00	27500.00	153500.00	11
12	321800.00	21820.00	347400.00	122900.00	-11170.00	81680.00	12

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/15/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-288.00	83890.00	-4097.00	69550.00	3176.00	74040.00	2
3	-2288.00	100400.00	-6336.00	83460.00	1368.00	88490.00	3
4	-4304.00	106400.00	-5896.00	89290.00	-888.00	94360.00	4
5	-8312.00	104000.00	-4424.00	88840.00	-6752.00	95710.00	5
6	-13130.00	132900.00	7560.00	109900.00	-19400.00	112900.00	6
7	-3896.00	92310.00	-6792.00	79420.00	1368.00	84870.00	7
8	-3096.00	84300.00	-3200.00	75820.00	3176.00	82170.00	8
9	-11360.00	68240.00	-13070.00	68660.00	16270.00	66370.00	9
10	-10710.00	113600.00	14740.00	99160.00	-10820.00	104300.00	10
11	-9520.00	138900.00	10700.00	135500.00	4528.00	118700.00	11
12	5336.00	78260.00	-17550.00	82110.00	7232.00	77200.00	12

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127
T8GW 20800 T8CG 9+7 AFT FLIGHT DATE 08/15/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.80	265.10	264.40	.96	1.00	.94	2
3	264.10	264.40	263.30	.98	1.00	.93	3
4	264.80	265.10	264.30	.95	1.01	.94	4
5	263.50	263.70	263.10	.99	1.02	.94	5
6	264.70	265.30	263.70	.95	1.07	.90	6
7	264.40	264.60	263.90	.95	1.02	.90	7
8	263.10	264.30	262.90	1.00	1.07	.97	8
9	265.10	265.40	264.30	.97	.98	.94	9
10	264.30	265.40	263.50	1.11	1.17	.84	10
11	268.30	268.80	264.90	1.27	1.35	1.05	11
12	264.20	264.90	261.60	1.01	1.09	.95	12

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127
TGW 2n800 TCG 9+7 AFT FLIGHT DATE 08/15/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	.85	1.09	-.05	-1.15	-.34	-1.36	2
3	-.38	.11	-1.36	-2.43	-2.22	-3.41	3
4	-.05	.93	-.38	-2.60	-2.05	-3.24	4
5	.36	1.58	-.54	-3.54	-2.65	-5.90	5
6	-.13	1.09	-1.68	-4.53	-.76	-4.87	6
7	-3.48	-2.82	-4.13	-1.92	-1.62	-2.39	7
8	-2.09	.60	-5.11	-1.83	-1.45	-2.39	8
9	.60	1.91	-.21	-.38	-.25	-1.53	9
10	-.46	1.09	-1.52	-4.87	-.76	-6.58	10
11	-1.36	-.54	-3.15	.52	5.82	-1.36	11
12	-1.36	2.40	-2.01	7.83	8.13	3.77	12

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128
T0GW 20800 T0CG 9+7 AFT FLIGHT DATE 08/18/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	144900.00	12260.00	170800.00	134700.00	-1720.00	73400.00	2
4	226400.00	12920.00	299300.00	207000.00	3648.00	75180.00	4
5	251600.00	21310.00	287100.00	230300.00	7232.00	74290.00	5
6	291000.00	27130.00	396200.00	252200.00	7232.00	77870.00	6
7	307100.00	22600.00	329700.00	266400.00	10820.00	80560.00	7
8	306500.00	23250.00	322300.00	271600.00	6336.00	82350.00	8
9	297400.00	29710.00	347800.00	248300.00	10810.00	83240.00	9
10	285800.00	33580.00	322300.00	234100.00	9920.00	89500.00	10
11	308400.00	21310.00	327500.00	285800.00	10810.00	68920.00	11
12	286400.00	27770.00	347800.00	244500.00	11710.00	71600.00	12
13	289000.00	17440.00	306500.00	261200.00	4992.00	75630.00	13
14	304500.00	22610.00	328400.00	275500.00	7232.00	79660.00	14

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128
T8GW 20800 TECR 9.7 AFT FLIGHT DATE 08/18/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	8174.00	70980.00	-6120.00	84100.00	5056.00	84140.00	2
4	5440.00	73710.00	-4328.00	85000.00	6816.00	85020.00	4
5	6808.00	74170.00	7376.00	86800.00	7696.00	89420.00	5
6	888.00	80090.00	1520.00	98940.00	6824.00	94710.00	6
7	3616.00	82820.00	-720.00	103000.00	5056.00	97360.00	7
8	5896.00	81450.00	1520.00	103400.00	6816.00	96480.00	8
9	2256.00	85090.00	-3424.00	110200.00	2416.00	100000.00	9
10	-928.00	91010.00	3768.00	109300.00	648.00	107900.00	10
11	7271.00	70990.00	-1624.00	95800.00	8136.00	88100.00	11
12	1808.00	74620.00	-1176.00	97140.00	7256.00	90740.00	12
13	5896.00	75080.00	5120.00	88140.00	7696.00	87660.00	13
14	8168.00	79180.00	-7024.00	103000.00	9024.00	93390.00	14

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128
T8GW 20800 T8CG 9+7 AFT FLIGHT DATE 08/18/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	222500.00	12180.00	228500.00	209000.00	-688.00	80160.00	2
4	272500.00	16020.00	288500.00	253900.00	6024.00	75030.00	4
5	294200.00	21790.00	325600.00	274400.00	12740.00	77790.00	5
6	371200.00	31410.00	403800.00	300000.00	17480.00	105400.00	6
7	349400.00	28840.00	393600.00	319200.00	10370.00	110200.00	7
8	3A1500.00	32050.00	393600.00	319200.00	-6208.00	101500.00	8
9	373700.00	36530.00	411500.00	302600.00	1688.00	129100.00	9
10	3A9200.00	42300.00	411500.00	300000.00	10370.00	117300.00	10
11	3A9000.00	26920.00	387200.00	319200.00	-2656.00	82930.00	11
12	3A0100.00	35260.00	415400.00	300000.00	5232.00	107400.00	12
13	3A2000.00	24350.00	345400.00	307700.00	-2264.00	84900.00	13
14	3B1300.00	30770.00	388400.00	312800.00	-10160.00	99900.00	14

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128
TGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/18/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	2760.00	83460.00	-8424.00	72550.00	8192.00	75340.00	2
4	2360.00	79850.00	-816.00	69410.00	5928.00	73990.00	4
5	2368.00	82260.00	5352.00	72100.00	7736.00	76700.00	5
6	-8872.00	107900.00	13510.00	92700.00	-5800.00	102900.00	6
7	-5664.00	105500.00	-3048.00	107500.00	-4896.00	98350.00	7
8	-2048.00	91490.00	-16940.00	97180.00	-7608.00	85720.00	8
9	-15290.00	116000.00	-6632.00	120900.00	-24740.00	111000.00	9
10	-8872.00	116000.00	1872.00	106100.00	-8048.00	106900.00	10
11	1560.00	71830.00	-5296.00	74780.00	-20230.00	84820.00	11
12	-7272.00	103900.00	-360.00	96730.00	-4448.00	99710.00	12
13	-440.00	78650.00	-6184.00	79260.00	-11210.00	76700.00	13
14	-1248.00	82660.00	-13800.00	93140.00	-22040.00	92040.00	14

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128
T8GW 2n800 T8CG 9+7 AFT FLIGHT DATE 08/18/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.30	264.60	263.50	.98	1.04	.96	2
4	264.30	264.40	263.90	.97	1.02	.95	4
5	264.80	264.90	263.70	.93	1.10	.86	5
6	264.60	264.90	263.50	1.01	1.10	.86	6
7	263.90	264.40	263.70	1.00	1.10	.94	7
8	264.20	264.40	263.90	1.03	1.09	.93	8
9	264.20	264.90	263.50	.98	1.17	.84	9
10	264.40	264.90	263.70	1.16	1.22	.94	10
11	264.00	264.40	263.90	.93	1.02	.89	11
12	264.60	265.10	263.70	1.05	1.18	.79	12
13	264.40	264.60	263.90	1.01	1.09	.94	13
14	264.10	264.30	263.70	1.01	1.04	.95	14

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128
T6GW 2n800 THCG 9.7 AFT FLIGHT DATE 08/18/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	-.49	.16	-.98	-1.61	-1.48	-2.70	2
4	-.41	.16	-.98	-5.05	-4.35	-5.66	4
5	-.16	.49	-.49	-6.27	-4.53	-7.32	5
6	.41	1.14	-.65	-5.31	-3.92	-8.10	6
7	-.16	.49	-.65	-6.79	-5.49	-7.23	7
8	-.16	.82	-.65	-6.18	-6.01	-7.14	8
9	-.57	.49	-1.47	-7.84	-4.44	-9.41	9
10	.16	1.14	-1.14	-7.58	-5.23	-8.89	10
11	.74	1.14	.33	-7.10	-6.01	-7.49	11
12	.25	1.31	-2.60	-5.14	-3.31	-9.24	12
13	-.41	.33	-.98	-6.01	-5.40	-7.23	13
14	-.81	-.49	-2.12	-8.23	-7.32	-8.45	14

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132
T6GW 20800 TBCG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
3	217200.00	20690.00	237900.00	191300.00	-4375.00	43820.00	3
4	215900.00	16810.00	243100.00	199100.00	-6611.00	43370.00	4
5	208200.00	16810.00	250800.00	191300.00	-9741.00	45610.00	5
6	236400.00	14220.00	250800.00	212000.00	-11080.00	47840.00	6
7	148700.00	7760.00	156400.00	134400.00	-4375.00	69750.00	7
8	130600.00	10340.00	155100.00	115100.00	-2152.00	71100.00	8
9	119600.00	8408.00	128000.00	104700.00	-1256.00	71100.00	9
10	116300.00	10340.00	126700.00	96940.00	-1696.00	72430.00	10
11	128600.00	9696.00	146100.00	116400.00	-1248.00	81820.00	11
12	118300.00	8400.00	134400.00	104700.00	-2592.00	74220.00	12
13	129300.00	7760.00	139600.00	117600.00	-2592.00	72430.00	13
14	133800.00	7112.00	144800.00	124100.00	-3936.00	71090.00	14
15	144800.00	6472.00	157700.00	135700.00	-4376.00	70650.00	15
16	175200.00	8408.00	191300.00	164200.00	-2144.00	72880.00	16

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132
T6GW 20800 TBCN 9.7 AFT FLIGHT DATE 08/24/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
3	-1587.00	43670.00	-12100.00	54360.00	-6569.00	50210.00	3
4	-3862.00	46860.00	-6704.00	51660.00	-9211.00	54610.00	4
5	-2497.00	50950.00	-10750.00	55710.00	-8337.00	59900.00	5
6	-4771.00	51410.00	-11650.00	59300.00	-8777.00	61220.00	6
7	7508.00	68240.00	-10760.00	79060.00	2672.00	79710.00	7
8	10700.00	67780.00	-8504.00	80410.00	4432.00	81470.00	8
9	10240.00	66420.00	-8512.00	81310.00	4432.00	78830.00	9
10	11150.00	67330.00	-8064.00	81760.00	3992.00	80150.00	10
11	9320.00	79160.00	-8056.00	91640.00	6192.00	89410.00	11
12	9783.00	73240.00	-8056.00	84460.00	4000.00	84560.00	12
13	9782.00	72330.00	-10750.00	82660.00	3120.00	84560.00	13
14	8877.00	70520.00	-10300.00	81310.00	1352.00	82790.00	14
15	7966.00	70510.00	-10750.00	80860.00	-856.00	83240.00	15
16	9786.00	68690.00	-6712.00	83110.00	2672.00	80590.00	16

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132
TGW 20800 TBCG 9+7 AFT FLIGHT DATE 08/24/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
3	245300.00	15380.00	293500.00	247400.00	2985.00	29560.00	3
4	274800.00	12820.00	289600.00	260200.00	-168.50	17740.00	4
5	273600.00	12180.00	289600.00	256300.00	-2140.00	13400.00	5
6	280700.00	14090.00	294800.00	256300.00	-168.50	23260.00	6
7	245400.00	10890.00	256300.00	226900.00	-1358.00	65440.00	7
8	241600.00	14740.00	245300.00	225600.00	3380.00	50460.00	8
9	228800.00	13460.00	244800.00	214000.00	4168.00	44150.00	9
10	234500.00	13460.00	252500.00	219200.00	2591.00	35480.00	10
11	241000.00	8976.00	258900.00	232000.00	3774.00	50060.00	11
12	225600.00	7688.00	239700.00	216600.00	3080.00	50460.00	12
13	228800.00	7048.00	235800.00	214000.00	620.00	58730.00	13
14	210200.00	8976.00	225600.00	201200.00	-1752.00	68980.00	14
15	217900.00	11530.00	232000.00	205100.00	-2544.00	79230.00	15
16	247400.00	10250.00	257600.00	224300.00	1000.00	73320.00	16

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132
TGW 20800 TCG 9+7 AFT FLIGHT DATE 08/24/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
3	-877.50	31650.00	-6437.00	30910.00	-956.50	30670.00	3
4	-2881.00	18430.00	-1510.00	19710.00	-7723.00	19400.00	4
5	-1679.00	12420.00	-6885.00	17020.00	-1408.00	16690.00	5
6	-1278.00	22440.00	-3302.00	23290.00	-956.50	21650.00	6
7	-2488.00	67720.00	-7789.00	61830.00	2652.00	59540.00	7
8	-76.50	50880.00	-5541.00	47930.00	2201.00	45560.00	8
9	-4083.00	44470.00	-1958.00	41660.00	1750.00	40590.00	9
10	-6086.00	36860.00	-2854.00	34490.00	-3663.00	33380.00	10
11	-4083.00	47680.00	-1958.00	46140.00	847.50	45100.00	11
12	-76.50	53290.00	-4198.00	47490.00	4005.00	50970.00	12
13	1126.00	61700.00	-9573.00	55550.00	5809.00	57280.00	13
14	1112.00	72120.00	-10480.00	64520.00	8058.00	65850.00	14
15	712.00	82940.00	-11370.00	72580.00	7608.00	74420.00	15
16	1120.00	77730.00	-10480.00	68100.00	6260.00	70360.00	16

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CH-46 FGS STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132
TOW 2,800 TBCG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
3	263.20	264.40	262.90	.98	1.02	.97	3
4	263.80	264.30	263.50	1.00	1.01	.97	4
5	264.30	264.40	263.70	1.00	1.02	.98	5
6	264.10	264.40	263.90	1.01	1.02	.97	6
7	264.20	264.60	264.10	1.00	1.02	.96	7
8	264.80	265.10	264.10	1.00	1.01	.98	8
9	264.30	264.60	264.30	1.01	1.02	.98	9
10	264.00	264.40	263.90	.98	1.02	.97	10
11	264.00	264.60	263.90	1.01	1.06	.98	11
12	264.80	264.90	264.40	1.06	1.07	.98	12
13	263.90	264.60	263.70	.98	1.02	.97	13
14	264.30	264.60	264.30	.99	1.01	.97	14
15	263.90	264.40	263.70	1.02	1.03	.97	15
16	264.10	264.40	263.70	.96	1.00	.90	16

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132
TOGW 20800 TCCG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
3	.02	2.10	-.73	5.73	6.51	4.43	3
4	.68	1.43	.27	5.12	6.34	4.78	4
5	.68	1.76	-.06	5.64	6.51	5.30	5
6	.68	1.27	-.23	6.47	7.55	5.73	6
7	.77	1.10	.10	-1.07	-.68	-2.59	7
8	.77	1.10	-.56	1.96	2.44	.79	8
9	.77	1.43	.10	1.18	1.57	-.08	9
10	-.40	.60	-.56	.88	1.66	.18	10
11	.60	.93	-.23	.05	1.66	-1.46	11
12	-.40	.27	-.89	-1.12	.88	-2.50	12
13	-.40	-.06	-1.06	-2.29	-.60	-3.11	13
14	-.40	.60	-.56	-2.98	-1.90	-3.63	14
15	-.40	.43	-1.06	-2.76	-1.55	-3.72	15
16	-.98	-.23	-1.39	-3.59	-2.24	-6.23	16

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
T0GW 20800 T0CR 9+7 AFT FLIGHT DATE 08/25/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	213200.00	18150.00	239100.00	192400.00	-2654.00	49650.00	2
3	214000.00	12320.00	236500.00	192400.00	-6233.00	50540.00	3
4	215100.00	13620.00	237800.00	200200.00	-8916.00	46070.00	4
5	217000.00	16860.00	246900.00	196300.00	-11600.00	51440.00	5
6	128300.00	9720.00	139300.00	106900.00	-8472.00	74250.00	6
7	109500.00	7784.00	117200.00	95200.00	-4446.00	69330.00	7
8	116600.00	8432.00	128900.00	96500.00	-2216.00	73350.00	8
9	109500.00	9080.00	119800.00	92610.00	-2216.00	74250.00	9
10	158700.00	9072.00	174300.00	149600.00	-4008.00	75140.00	10
11	159400.00	9720.00	171700.00	148400.00	-2664.00	76490.00	11
12	143200.00	7776.00	153500.00	128900.00	-1320.00	75140.00	12
13	152900.00	8424.00	141300.00	138000.00	-2664.00	75590.00	13
14	240500.00	13610.00	278000.00	240400.00	6280.00	73800.00	14
15	249500.00	22030.00	279300.00	198900.00	1808.00	80960.00	15
16	248800.00	13610.00	247600.00	233900.00	7624.00	75140.00	16
17	219000.00	25280.00	288300.00	182000.00	8072.00	82740.00	17
18	238400.00	13610.00	259800.00	223500.00	8520.00	76940.00	18
19	191800.00	25280.00	259800.00	160000.00	6728.00	80500.00	19
20	309100.00	19450.00	323700.00	283200.00	5392.00	75580.00	20
21	279900.00	22680.00	328500.00	257200.00	7184.00	78270.00	21
22	308400.00	25280.00	325000.00	272800.00	11200.00	80510.00	22
23	292900.00	17500.00	316800.00	275400.00	7624.00	76040.00	23
24	288300.00	23330.00	324600.00	249500.00	6288.00	79170.00	24
25	292200.00	18140.00	316800.00	272800.00	8520.00	77830.00	25
26	294200.00	29170.00	321100.00	241700.00	10760.00	83640.00	26
27	294200.00	17500.00	323300.00	276700.00	7184.00	77380.00	27
28	314300.00	19450.00	326300.00	288300.00	5840.00	76930.00	28
29	122400.00	9080.00	125400.00	112000.00	-5342.00	69330.00	29
30	125700.00	8424.00	125400.00	116000.00	-4894.00	68880.00	30
31	117900.00	8432.00	127600.00	106900.00	-2664.00	71110.00	31
32	110100.00	8432.00	123700.00	101700.00	-872.00	74700.00	32
33	106900.00	10380.00	122400.00	93900.00	-872.00	73800.00	33
34	103000.00	10370.00	113300.00	87420.00	-3112.00	76040.00	34
35	113400.00	7784.00	122400.00	101700.00	-3560.00	73800.00	35
36	122400.00	7784.00	124100.00	114600.00	-3112.00	73350.00	36
37	124400.00	7128.00	125400.00	117200.00	-3560.00	72010.00	37
38	128900.00	7776.00	129300.00	119800.00	-4896.00	71570.00	38
39	152900.00	7128.00	140000.00	144500.00	-880.00	68430.00	39
40	150900.00	7776.00	128700.00	140600.00	-872.00	69320.00	40
41	149000.00	8424.00	158700.00	139300.00	-872.00	71110.00	41
42	143200.00	9072.00	152200.00	130200.00	24.00	71110.00	42
43	156800.00	7128.00	170400.00	149600.00	-2656.00	68430.00	43
44	240400.00	14260.00	254600.00	218400.00	4048.00	70670.00	44
45	240400.00	14260.00	254600.00	220900.00	4048.00	69780.00	45
46	212500.00	20100.00	275400.00	182000.00	4936.00	74250.00	46
47	230700.00	13610.00	245600.00	217100.00	4500.00	69320.00	47
48	195700.00	18790.00	246300.00	171700.00	4944.00	75140.00	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TGW 20800 TUGR 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
49	222200.00	14260.00	237800.00	202800.00	7180.00	72000.00	49
50	200800.00	17500.00	253300.00	174300.00	6736.00	77820.00	50

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TCGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	-3616.00	50990.00	-10950.00	57540.00	-2252.00	59040.00	2
3	-1795.00	50080.00	-6908.00	60690.00	-5784.00	59930.00	3
4	-2705.00	48260.00	-9152.00	54850.00	-4896.00	57280.00	4
5	-7258.00	53720.00	-11400.00	62490.00	-11510.00	63890.00	5
6	9131.00	73750.00	-13210.00	84970.00	7432.00	87240.00	6
7	8214.00	67370.00	-8712.00	79580.00	3912.00	80180.00	7
8	9127.00	69190.00	-6464.00	83620.00	5664.00	82830.00	8
9	9583.00	69650.00	-6016.00	84060.00	6104.00	83270.00	9
10	10040.00	71020.00	-6912.00	85870.00	6992.00	85040.00	10
11	7760.00	74210.00	-5568.00	88110.00	6112.00	85040.00	11
12	6392.00	73750.00	-5560.00	86310.00	5224.00	83270.00	12
13	4848.00	74210.00	-2872.00	86310.00	5672.00	84600.00	13
14	5024.00	76030.00	4776.00	89460.00	6552.00	89880.00	14
15	5024.00	80580.00	728.00	93510.00	4792.00	92520.00	15
16	5480.00	76490.00	3880.00	89460.00	6112.00	90320.00	16
17	16.00	88320.00	6128.00	98000.00	-4464.00	102700.00	17
18	2752.00	78300.00	5224.00	89910.00	4352.00	92080.00	18
19	-432.00	84220.00	2976.00	93950.00	-1816.00	97370.00	19
20	7304.00	76490.00	5672.00	89460.00	5232.00	90320.00	20
21	2296.00	81500.00	4328.00	94410.00	-56.00	95610.00	21
22	-1800.00	84680.00	8824.00	93510.00	-3144.00	97820.00	22
23	3664.00	78300.00	7928.00	89910.00	2592.00	91200.00	23
24	928.00	81040.00	8824.00	94410.00	-486.00	94290.00	24
25	2752.00	80130.00	4776.00	93960.00	3024.00	95170.00	25
26	-2720.00	87410.00	3424.00	97100.00	-3144.00	101300.00	26
27	7296.00	78300.00	6128.00	91710.00	6112.00	92080.00	27
28	4848.00	76940.00	4776.00	89460.00	5232.00	90320.00	28
29	8670.00	67830.00	-13200.00	78670.00	384.00	79310.00	29
30	8670.00	67830.00	-14550.00	79130.00	824.00	79750.00	30
31	10040.00	68280.00	-10950.00	80920.00	1704.00	80630.00	31
32	11860.00	70110.00	-8712.00	84070.00	4344.00	83270.00	32
33	9584.00	70560.00	-10060.00	82720.00	3464.00	80630.00	33
34	10030.00	74650.00	-10950.00	86310.00	2584.00	86790.00	34
35	10040.00	72840.00	-11410.00	83170.00	3024.00	84590.00	35
36	8675.00	73290.00	-11410.00	84060.00	1704.00	85910.00	36
37	9129.00	71930.00	-12300.00	82270.00	2144.00	83710.00	37
38	7307.00	71930.00	-12760.00	81820.00	-936.00	85030.00	38
39	10040.00	65550.00	-7360.00	78220.00	3472.00	77100.00	39
40	9125.00	67370.00	-6912.00	78670.00	4792.00	76660.00	40
41	9127.00	69190.00	-7816.00	81370.00	4792.00	78420.00	41
42	9582.00	68740.00	-6456.00	80920.00	3912.00	78420.00	42
43	10040.00	65550.00	-9160.00	79130.00	824.00	77990.00	43
44	5939.00	70560.00	1624.00	81820.00	3464.00	81510.00	44
45	7760.00	49650.00	3432.00	80920.00	5232.00	80620.00	45
46	2296.00	76020.00	2976.00	84960.00	-1376.00	86350.00	46
47	5945.00	68740.00	1624.00	80920.00	1704.00	79750.00	47
48	1840.00	78300.00	-1968.00	87220.00	-64.00	89440.00	48

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CH-4A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TSGW 20800 TSCG 9+7 AFT FLIGHT DATE 08/25/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
49	3200.00	72380.00	2976.00	83170.00	384.00	83710.00	49
50	-888.00	81940.00	4776.00	89460.00	-5344.00	93840.00	50

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TBCW 20800 TBCG 9+7 AFT FLIGHT DATE 08/25/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	246900.00	16740.00	291400.00	248900.00	-2395.00	26510.00	2
3	249500.00	9008.00	283600.00	254000.00	-4373.00	21370.00	3
4	249500.00	11580.00	281100.00	252800.00	-1208.00	18200.00	4
5	272100.00	10300.00	288800.00	251500.00	-1603.00	24930.00	5
6	233400.00	11580.00	248900.00	212800.00	-8334.00	68850.00	6
7	228900.00	8368.00	247300.00	215400.00	-5165.00	57770.00	7
8	241800.00	7088.00	250200.00	227000.00	-3977.00	52620.00	8
9	242500.00	6440.00	248900.00	227000.00	375.00	42730.00	9
10	231500.00	12230.00	246300.00	212800.00	-4776.00	76360.00	10
11	238600.00	10300.00	252800.00	227000.00	-2791.00	66470.00	11
12	231500.00	9656.00	242400.00	220600.00	-20.50	56580.00	12
13	248200.00	9656.00	241800.00	237300.00	3145.00	51830.00	13
14	313900.00	18670.00	345400.00	288800.00	5912.00	75180.00	14
15	344200.00	24460.00	348600.00	275900.00	7880.00	101700.00	15
16	319100.00	21250.00	341600.00	295200.00	7099.00	70820.00	16
17	330600.00	25100.00	347300.00	273300.00	8280.00	108400.00	17
18	330000.00	19310.00	351900.00	303000.00	9078.00	61720.00	18
19	289400.00	23820.00	350600.00	263100.00	14220.00	90620.00	19
20	352500.00	25100.00	380200.00	321000.00	5904.00	82300.00	20
21	350600.00	29610.00	390500.00	304300.00	16190.00	112400.00	21
22	357700.00	28970.00	394400.00	314500.00	3536.00	86260.00	22
23	357000.00	25750.00	387900.00	326100.00	5112.00	79930.00	23
24	340200.00	28970.00	403400.00	312000.00	14220.00	107200.00	24
25	371800.00	27680.00	399500.00	337700.00	7095.00	71610.00	25
26	385400.00	36050.00	425600.00	322300.00	4328.00	102900.00	26
27	357000.00	27030.00	384100.00	327400.00	5512.00	81110.00	27
28	342200.00	28970.00	373800.00	312000.00	3928.00	93770.00	28
29	235400.00	18660.00	254000.00	215400.00	770.50	58950.00	29
30	227600.00	12230.00	239900.00	212800.00	-416.00	60930.00	30
31	224400.00	10940.00	238600.00	214100.00	2749.00	54600.00	31
32	230200.00	12230.00	243700.00	215400.00	2749.00	48270.00	32
33	234700.00	13520.00	255300.00	220600.00	3541.00	40360.00	33
34	220600.00	6440.00	232200.00	214100.00	1958.00	44320.00	34
35	222500.00	7088.00	230900.00	212800.00	1958.00	48270.00	35
36	218600.00	8368.00	227000.00	206400.00	-812.00	61330.00	36
37	209600.00	9656.00	224400.00	200000.00	-3592.00	69640.00	37
38	203800.00	11580.00	216700.00	189700.00	-5568.00	77950.00	38
39	217300.00	18670.00	236000.00	196100.00	-3992.00	72410.00	39
40	218600.00	9656.00	229600.00	207700.00	-416.00	60930.00	40
41	240500.00	18660.00	259200.00	219300.00	2353.00	55000.00	41
42	241800.00	8368.00	250200.00	230900.00	2749.00	45900.00	42
43	218000.00	11580.00	230900.00	203800.00	-3984.00	73200.00	43
44	279800.00	19310.00	303000.00	257900.00	9072.00	78340.00	44
45	282000.00	18670.00	303000.00	260500.00	6704.00	75970.00	45
46	306800.00	23180.00	330000.00	255300.00	10260.00	111200.00	46
47	288800.00	16740.00	310700.00	270800.00	7492.00	65680.00	47
48	301000.00	22540.00	335200.00	263100.00	5904.00	103700.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TEGW 20800 TBCG 9+7 AFT FLIGHT DATE 08/25/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
49	291400.00	18020.00	315800.00	272100.00	6303.00	62110.00	49
50	305500.00	21890.00	327400.00	264300.00	6304.00	92980.00	50

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TGW 20800 TGR 9.7 AFT FLIGHT DATE 08/25/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-3263.00	26950.00	-6764.00	28290.00	-8107.00	27140.00	2
3	-5677.00	22120.00	1320.00	25600.00	-6750.00	23970.00	3
4	-3263.00	18100.00	-4069.00	22900.00	-6298.00	19000.00	4
5	-447.50	23330.00	-4967.00	22900.00	-4036.00	21260.00	5
6	2760.00	74010.00	-11260.00	64230.00	3653.00	66940.00	6
7	2368.00	60740.00	-7662.00	54340.00	5010.00	53820.00	7
8	3575.00	51490.00	-7213.00	51200.00	5462.00	48850.00	8
9	1564.00	43840.00	-4967.00	42660.00	4558.00	39800.00	9
10	2760.00	82060.00	-9915.00	71860.00	7712.00	75540.00	10
11	3976.00	70390.00	-9012.00	63770.00	7719.00	65580.00	11
12	3173.00	59930.00	-5866.00	55240.00	8629.00	56540.00	12
13	1966.00	54700.00	-1375.00	49850.00	7272.00	52470.00	13
14	-56.00	76020.00	864.00	66460.00	2288.00	70110.00	14
15	-12520.00	102200.00	3560.00	90710.00	-7208.00	96790.00	15
16	-56.00	73610.00	2665.00	63770.00	1844.00	66940.00	16
17	-9704.00	107400.00	7152.00	106000.00	-7216.00	99500.00	17
18	-2060.00	63560.00	4913.00	55240.00	1844.00	58800.00	18
19	-9304.00	93320.00	15230.00	87120.00	-4496.00	91360.00	19
20	-1664.00	82460.00	-1832.00	73660.00	-1784.00	75080.00	20
21	-10910.00	115000.00	12100.00	99250.00	-9928.00	106700.00	21
22	-2864.00	86080.00	-2280.00	77690.00	-3144.00	78250.00	22
23	-2464.00	78430.00	-32.00	71860.00	-2232.00	71910.00	23
24	-12520.00	111000.00	14780.00	96560.00	-9016.00	104000.00	24
25	-2464.00	69580.00	-1377.00	65120.00	-417.50	62870.00	25
26	-12920.00	101800.00	2216.00	96550.00	-8568.00	99050.00	26
27	-1264.00	78030.00	-928.00	73650.00	-1328.00	71920.00	27
28	-2864.00	91710.00	-3176.00	83080.00	-3136.00	83680.00	28
29	-849.50	61540.00	-6764.00	54340.00	5010.00	55630.00	29
30	-447.50	62750.00	-6315.00	55690.00	6819.00	55630.00	30
31	-850.00	55910.00	-4518.00	51200.00	5915.00	51110.00	31
32	-3263.00	48670.00	-2273.00	44460.00	5462.00	44330.00	32
33	-4883.00	40220.00	-925.00	37720.00	-870.00	37090.00	33
34	-2861.00	45050.00	-3171.00	39970.00	4558.00	40710.00	34
35	-45.00	50280.00	-6315.00	44910.00	7724.00	45680.00	35
36	1162.00	64360.00	-9460.00	57040.00	8625.00	57440.00	36
37	1152.00	71600.00	-10810.00	62870.00	7271.00	63320.00	37
38	-56.00	81660.00	-15300.00	70060.00	6816.00	71010.00	38
39	1160.00	76420.00	-11710.00	65570.00	8174.00	67840.00	39
40	759.00	63960.00	-9460.00	57040.00	8176.00	56990.00	40
41	759.00	57520.00	-6314.00	52090.00	6819.00	52010.00	41
42	-2459.00	45450.00	-2273.00	41760.00	5010.00	42060.00	42
43	-456.00	77220.00	-11710.00	66470.00	6361.00	68740.00	43
44	-2472.00	79240.00	864.00	67360.00	480.00	71010.00	44
45	-2464.00	76830.00	-32.00	65570.00	-424.00	68300.00	45
46	-10500.00	105000.00	6704.00	104600.00	-7216.00	95890.00	46
47	-2461.00	66370.00	422.00	57030.00	34.50	59700.00	47
48	-12920.00	99350.00	1312.00	101000.00	-6304.00	94080.00	48

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
T8GW 20800 T8CG 9+7 AFT FLIGHT DATE 08/25/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
+9	-3264.00	61540.00	1321.00	55240.00	34.50	55180.00	49
50	-9304.00	90900.00	2208.00	86670.00	-9472.00	82770.00	50

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TSGW 2,800 TBCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	263.90	264.60	263.50	1.00	1.02	.97	2
3	264.30	264.40	263.70	.99	1.01	.97	3
4	264.30	264.40	263.90	1.01	1.02	.98	4
5	263.90	264.40	263.70	.99	1.02	.96	5
6	263.70	264.30	263.30	1.02	1.05	.95	6
7	264.20	264.40	263.90	.99	1.01	.98	7
8	264.10	264.90	263.90	.98	1.02	.96	8
9	264.30	264.40	263.90	.99	1.02	.97	9
10	264.30	264.60	263.70	.99	1.06	.96	10
11	264.10	264.40	263.90	1.02	1.03	.98	11
12	264.00	264.40	263.90	.99	1.02	.97	12
13	264.10	264.40	263.90	.98	1.02	.97	13
14	263.80	264.60	263.70	.93	1.02	.89	14
15	264.70	265.40	262.90	1.07	1.24	.90	15
16	264.20	264.40	263.90	.99	1.03	.98	16
17	264.30	265.60	263.10	1.01	1.27	.77	17
18	264.30	264.40	263.70	.97	1.02	.95	18
19	264.70	265.60	262.90	1.03	1.25	.87	19
20	264.20	264.40	263.90	.96	1.00	.92	20
21	264.20	264.90	263.50	1.11	1.17	.98	21
22	264.10	264.40	263.70	1.03	1.06	.92	22
23	264.10	264.30	263.90	.99	1.02	.94	23
24	264.30	264.90	263.30	1.07	1.16	.92	24
25	263.90	264.40	263.70	.99	1.03	.92	25
26	264.30	265.10	263.30	.99	1.21	.84	26
27	264.00	264.10	263.90	.98	1.05	.95	27
28	264.30	264.40	263.90	.98	1.03	.96	28
29	264.00	264.10	263.70	.99	1.01	.98	29
30	264.20	264.30	263.90	.99	1.01	.98	30
31	264.00	264.30	263.90	1.00	1.01	.99	31
32	264.20	264.40	263.90	1.01	1.02	.99	32
33	263.90	264.30	263.70	.98	1.00	.96	33
34	264.10	264.30	263.50	1.01	1.03	.99	34
35	264.30	264.40	263.90	.99	1.02	.97	35
36	264.20	264.40	263.90	1.01	1.02	.97	36
37	263.80	264.10	263.50	1.00	1.02	.97	37
38	264.20	264.40	263.90	1.01	1.02	.99	38
39	263.80	264.30	263.70	1.01	1.02	.99	39
40	263.60	264.30	263.50	.99	1.01	.98	40
41	263.90	264.30	263.70	1.01	1.02	.98	41
42	264.20	264.30	263.70	.99	1.02	.98	42
43	264.10	264.30	263.70	1.00	1.02	.98	43
44	263.90	264.60	263.70	1.03	1.05	.96	44
45	263.90	264.10	263.70	.99	1.02	.95	45
46	263.70	265.30	262.80	.99	1.21	.79	46
47	264.00	264.30	263.70	1.00	1.02	.99	47
48	263.80	265.30	262.90	1.03	1.22	.83	48

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FLIGHT LOADS

CH=46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TGW 2,800 TCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
49	264.10	264.40	263.70	.99	1.03	.97	49
50	264.90	265.30	262.80	1.03	1.20	.80	50

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	34020SDY	34020MAX	34020MIN	3*010SDY	3*010MAX	3*010MIN	EVENT
2	.81	1.87	.25	5.22	6.08	4.28	2
3	1.79	2.52	.25	5.22	6.43	4.62	3
4	.81	2.52	.08	6.77	7.46	5.74	4
5	1.54	2.68	.09	5.82	7.46	5.22	5
6	-1.15	.08	-1.72	-1.44	-1.10	-2.08	6
7	-.09	.24	-1.23	-.06	.93	-.36	7
8	-.33	.57	-1.23	.76	2.22	-.62	8
9	-.09	.08	-.90	1.87	2.90	1.10	9
10	.08	.24	-2.04	-2.25	-1.31	-2.60	10
11	.24	.40	-1.06	-2.98	-1.39	-3.37	11
12	-.17	.40	-1.23	-2.21	-1.48	-2.85	12
13	-.17	.57	-.57	-2.21	-1.65	-2.68	13
14	-.17	1.05	-1.06	-7.58	-4.83	-8.09	14
15	-.17	.57	-.90	-2.60	1.10	-5.95	15
16	-.00	.73	-.41	-5.13	-4.14	-5.52	16
17	-.25	1.22	-3.18	-8.82	.67	-11.79	17
18	.73	1.38	.08	-3.88	-3.02	-5.43	18
19	.97	1.38	-.74	-2.42	.15	-7.23	19
20	-.25	.57	-1.72	-7.71	-6.81	-7.84	20
21	-.09	.08	-1.39	-4.96	-4.06	-8.09	21
22	.57	3.50	-2.69	-6.25	-4.74	-7.92	22
23	-.09	.57	-.57	-6.55	-5.95	-7.15	23
24	-.17	.89	-1.55	-4.83	-3.80	-7.41	24
25	-.17	.57	-.90	-5.56	-5.26	-7.06	25
26	-.17	.40	-1.55	-6.55	-2.34	-8.09	26
27	-.09	.08	-1.06	-6.12	-5.35	-7.58	27
28	-.17	.08	-.57	-8.27	-7.23	-9.04	28
29	-.17	.08	-.41	-.96	.84	-1.39	29
30	-.09	.57	-.25	-.58	.33	-1.48	30
31	.24	.89	.08	.58	.84	-.02	31
32	-.09	.40	-.74	1.27	2.30	.76	32
33	.40	.73	-.09	1.66	2.13	-.71	33
34	-.09	.73	-1.39	.67	1.44	-1.31	34
35	-.09	.73	-.57	-.83	-.36	-1.65	35
36	-.41	.24	-1.06	-1.61	-1.22	-2.68	36
37	-.09	1.05	-.25	-2.47	-.88	-3.02	37
38	-.09	.57	-.41	-2.72	-1.91	-3.28	38
39	-.33	.89	-.90	-2.34	-1.82	-3.02	39
40	-.33	.08	-.90	-1.82	-1.39	-2.60	40
41	-.09	1.22	-.25	-.79	-.28	-1.82	41
42	-.09	.89	-.74	-1.39	-.28	-1.91	42
43	-.09	.24	-1.55	-3.15	-1.99	-4.49	43
44	.89	1.22	-.41	-4.91	-4.23	-6.03	44
45	-.09	.89	-1.72	-5.35	-4.57	-6.12	45
46	-1.63	.73	-2.85	-3.37	-.02	-8.44	46
47	.40	1.22	-.09	-4.66	-3.63	-5.09	47
48	-.17	1.05	-1.55	-6.51	-.02	-8.52	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TSGW 20800 TSGG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
49	-0.49	1.38	-0.74	-4.31	-3.20	-4.74	49
50	-0.17	1.70	-0.90	-1.48	-0.88	-8.95	50

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134
T8GW 20800 T8GR 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	115300.00	9712.00	127600.00	101700.00	-2632.00	80060.00	2
3	122500.00	9072.00	124100.00	109500.00	-3080.00	78710.00	3
4	128900.00	9072.00	138000.00	114700.00	-4872.00	76920.00	4
5	100400.00	10360.00	114700.00	88780.00	-4424.00	81850.00	5
6	118600.00	10370.00	125400.00	108200.00	-6216.00	80950.00	6
7	114000.00	9072.00	121500.00	104300.00	-5320.00	78260.00	7
8	144500.00	9072.00	157500.00	134100.00	-7112.00	79160.00	8
9	133500.00	9720.00	148400.00	122500.00	-3528.00	78260.00	9
10	152300.00	9072.00	141300.00	139300.00	-4424.00	77370.00	10
11	149000.00	8424.00	140000.00	138000.00	-3976.00	74250.00	11
12	153600.00	7776.00	147800.00	144500.00	-5320.00	72900.00	12
13	202200.00	13610.00	220900.00	186000.00	504.00	64400.00	13
14	204700.00	12310.00	217100.00	183400.00	2292.00	66190.00	14
15	207300.00	12310.00	222200.00	182100.00	3628.00	68420.00	15
16	141300.00	12310.00	153600.00	116000.00	-3528.00	86310.00	16
17	110800.00	10360.00	127600.00	100400.00	-3976.00	82300.00	17
18	126400.00	10370.00	126700.00	113400.00	-5768.00	81400.00	18
19	112800.00	12300.00	127600.00	99150.00	-6664.00	86760.00	19
20	126400.00	10370.00	140600.00	113400.00	-6656.00	85870.00	20
21	128300.00	11020.00	129300.00	110800.00	-8448.00	85870.00	21
22	131500.00	10370.00	144500.00	114700.00	-7552.00	85870.00	22
23	127400.00	12310.00	157500.00	125100.00	-6208.00	84530.00	23
24	148400.00	10370.00	140000.00	128900.00	-4864.00	83180.00	24
25	227400.00	12960.00	250700.00	214500.00	3624.00	72010.00	25
26	215800.00	23330.00	276700.00	182100.00	2736.00	76480.00	26
27	220000.00	12960.00	249400.00	214500.00	4072.00	72460.00	27
28	213800.00	21380.00	280500.00	184700.00	1840.00	74690.00	28
29	226100.00	12960.00	243800.00	209300.00	6304.00	73790.00	29
30	213200.00	20740.00	252000.00	165200.00	5416.00	80060.00	30
31	243500.00	18140.00	312900.00	259800.00	1392.00	82290.00	31
32	285100.00	23980.00	327200.00	241700.00	2288.00	84980.00	32
33	296900.00	18140.00	312900.00	271500.00	3624.00	80950.00	33
34	263700.00	23320.00	315500.00	231300.00	1392.00	84980.00	34
35	280500.00	16850.00	248700.00	258500.00	4520.00	82740.00	35
36	278000.00	23330.00	309100.00	230000.00	2736.00	86320.00	36
37	230000.00	12960.00	244300.00	215800.00	-1736.00	80060.00	37
38	240400.00	14250.00	254600.00	222200.00	2288.00	73340.00	38

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134
TGW 20800 TBCR 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	10890.00	76470.00	-9168.00	90850.00	3920.00	89870.00	2
3	10890.00	76470.00	-10060.00	89050.00	1720.00	89430.00	3
4	9072.00	75570.00	-12760.00	88150.00	840.00	89430.00	4
5	9520.00	80580.00	-11860.00	92650.00	1272.00	93400.00	5
6	9072.00	81020.00	-12310.00	92200.00	1272.00	94280.00	6
7	8608.00	78750.00	-13210.00	89500.00	392.00	91640.00	7
8	7704.00	80570.00	-15010.00	90400.00	-1808.00	93840.00	8
9	9986.00	74650.00	-10060.00	89050.00	3480.00	86790.00	9
10	10900.00	73740.00	-10960.00	88140.00	2160.00	88110.00	10
11	9528.00	72380.00	-11420.00	85000.00	-48.00	85020.00	11
12	9983.00	71010.00	-12760.00	83660.00	392.00	83700.00	12
13	5883.00	63270.00	-1968.00	74660.00	1272.00	71370.00	13
14	4063.00	65090.00	-1968.00	75550.00	-1368.00	74010.00	14
15	3610.00	68280.00	736.00	78260.00	-3136.00	75780.00	15
16	11340.00	81490.00	-10510.00	96690.00	3912.00	95160.00	16
17	10430.00	77840.00	-11420.00	93100.00	1712.00	92080.00	17
18	9064.00	80120.00	-12760.00	91750.00	832.00	92960.00	18
19	4792.00	86950.00	-15010.00	98500.00	-2256.00	101300.00	19
20	6792.00	86040.00	-16360.00	96250.00	-1368.00	99560.00	20
21	4792.00	86950.00	-17700.00	96700.00	-2256.00	101300.00	21
22	7696.00	86940.00	-16810.00	97590.00	-1816.00	101800.00	22
23	4336.00	82850.00	-15010.00	95790.00	-2688.00	95600.00	23
24	9064.00	80120.00	-14110.00	94000.00	-928.00	92960.00	24
25	4968.00	71460.00	1184.00	83200.00	1712.00	82380.00	25
26	3152.00	76930.00	-1072.00	86350.00	-928.00	87660.00	26
27	3600.00	72830.00	2984.00	84100.00	1272.00	84580.00	27
28	1336.00	74200.00	-1968.00	85460.00	-2248.00	84580.00	28
29	3144.00	74200.00	4776.00	85900.00	392.00	86340.00	29
30	-1856.00	80110.00	5224.00	89940.00	-7536.00	90750.00	30
31	3144.00	82390.00	1632.00	94450.00	832.00	93840.00	31
32	3608.00	85580.00	728.00	96250.00	4800.00	97810.00	32
33	1784.00	80120.00	3432.00	93540.00	-488.00	91640.00	33
34	2240.00	86030.00	-4216.00	96700.00	-488.00	96920.00	34
35	3608.00	81030.00	2528.00	94450.00	832.00	92960.00	35
36	4520.00	86490.00	728.00	98040.00	3040.00	98690.00	36
37	7696.00	77840.00	-1520.00	92190.00	5240.00	88550.00	37
38	4968.00	71460.00	-1064.00	84950.00	4792.00	82820.00	38

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134
TEGW 20800 TBCR 9+7 AFT FLIGHT DATE 08/25/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	272800.00	9648.00	287600.00	263100.00	3967.00	51030.00	2
3	248900.00	8368.00	279800.00	258000.00	2780.00	57750.00	3
4	245000.00	9656.00	276000.00	251500.00	1192.00	68040.00	4
5	242500.00	7728.00	254100.00	233500.00	1198.00	52210.00	5
6	251500.00	9008.00	243100.00	241200.00	802.50	58940.00	6
7	235400.00	9656.00	247700.00	221900.00	-784.00	66850.00	7
8	249600.00	12220.00	261800.00	229600.00	-1584.00	81090.00	8
9	254700.00	9648.00	247000.00	245100.00	1594.00	57350.00	9
10	252800.00	11580.00	245700.00	237400.00	-792.00	67640.00	10
11	232200.00	12870.00	251500.00	219300.00	-1584.00	79500.00	11
12	232200.00	14150.00	246400.00	215500.00	792.00	90580.00	12
13	277300.00	14150.00	294000.00	256700.00	9496.00	88200.00	13
14	275300.00	13510.00	297800.00	260500.00	9504.00	86620.00	14
15	285600.00	14800.00	308100.00	270800.00	8704.00	83460.00	15
16	320400.00	9648.00	331300.00	300400.00	406.50	62500.00	16
17	290100.00	10300.00	305600.00	279800.00	-4347.00	64090.00	17
18	284300.00	11580.00	299100.00	272100.00	-2768.00	78320.00	18
19	276000.00	9008.00	285000.00	261800.00	11.00	62100.00	19
20	274700.00	11580.00	286300.00	260500.00	-784.00	72380.00	20
21	268900.00	14800.00	290100.00	252800.00	-3352.00	97700.00	21
22	270800.00	15450.00	287600.00	246400.00	-5136.00	109200.00	22
23	290800.00	14800.00	309400.00	265700.00	-6320.00	86620.00	23
24	284300.00	16730.00	305600.00	264400.00	-4352.00	102000.00	24
25	288800.00	19300.00	308100.00	261800.00	7128.00	80300.00	25
26	304300.00	27020.00	348000.00	256700.00	11480.00	111500.00	26
27	295900.00	18660.00	318400.00	274700.00	5152.00	71200.00	27
28	312600.00	22520.00	344200.00	254100.00	13450.00	100100.00	28
29	308100.00	18020.00	320000.00	282400.00	5545.00	62890.00	29
30	321000.00	21870.00	342900.00	267000.00	9896.00	90180.00	30
31	347400.00	27660.00	382800.00	318400.00	10680.00	108400.00	31
32	344700.00	34100.00	402100.00	310700.00	8704.00	119100.00	32
33	358300.00	27020.00	385400.00	324900.00	4752.00	83460.00	33
34	374400.00	34100.00	416200.00	312000.00	8312.00	113100.00	34
35	344800.00	25740.00	390500.00	335200.00	4052.00	72780.00	35
36	389200.00	29600.00	418900.00	323600.00	7120.00	100900.00	36
37	291400.00	19300.00	310700.00	268300.00	2768.00	82270.00	37
38	285600.00	18460.00	308100.00	261800.00	4752.00	79500.00	38

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134
TOWG 20800 TBCG 9+7 AFT FLIGHT DATE 08/25/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-4107.00	50280.00	-1888.00	45850.00	1826.00	45240.00	2
3	-487.00	58730.00	-4585.00	53040.00	4088.00	53840.00	3
4	-2104.00	71610.00	-7287.00	63830.00	4539.00	63330.00	4
5	-4509.00	49080.00	-3686.00	47650.00	16.50	47050.00	5
6	-1694.00	60740.00	-3686.00	53040.00	4088.00	55640.00	6
7	-1296.00	71600.00	-9088.00	60240.00	5443.00	64240.00	7
8	-1704.00	87290.00	-9084.00	71920.00	3176.00	77350.00	8
9	-4509.00	55510.00	-4136.00	50790.00	1826.00	51570.00	9
10	-3712.00	71600.00	-5490.00	60240.00	2277.00	65600.00	10
11	-5720.00	84070.00	-5940.00	68780.00	464.00	75550.00	11
12	-6128.00	94930.00	-7288.00	80010.00	-440.00	84600.00	12
13	-14580.00	85680.00	-6640.00	81360.00	-10390.00	81880.00	13
14	-14970.00	81260.00	-6640.00	81360.00	-10400.00	79170.00	14
15	-14580.00	77240.00	-4848.00	78660.00	-11750.00	75100.00	15
16	-3303.00	60740.00	-4136.00	54390.00	-3151.00	53830.00	16
17	-4914.00	64770.00	-6383.00	57540.00	-3603.00	57000.00	17
18	-6928.00	80450.00	-5940.00	68780.00	-3608.00	70570.00	18
19	-8534.00	61150.00	-6383.00	55740.00	-5412.00	55190.00	19
20	-10150.00	72410.00	-3687.00	64730.00	-3610.00	64250.00	20
21	-15780.00	96540.00	-8640.00	84960.00	-13110.00	85500.00	21
22	-16180.00	106600.00	-9088.00	96190.00	-14920.00	93640.00	22
23	-13770.00	84870.00	-9536.00	80460.00	-12660.00	76910.00	23
24	-19400.00	100200.00	-8184.00	92600.00	-18080.00	92290.00	24
25	-4112.00	81660.00	1704.00	69220.00	-2712.00	73290.00	25
26	-16980.00	106600.00	11580.00	105200.00	-15380.00	98620.00	26
27	-4112.00	72000.00	809.00	62030.00	-2253.00	65600.00	27
28	-14980.00	97340.00	14290.00	95300.00	-14470.00	89580.00	28
29	-4511.00	62750.00	3057.00	56190.00	-2246.00	56550.00	29
30	-15380.00	87300.00	9792.00	88100.00	-13560.00	83240.00	30
31	-14170.00	106200.00	11580.00	100700.00	-13100.00	97260.00	31
32	-9344.00	119900.00	10690.00	110600.00	-13110.00	109000.00	32
33	-8944.00	82460.00	1248.00	72370.00	-9485.00	72840.00	33
34	-11350.00	114600.00	6648.00	106500.00	-14470.00	103100.00	34
35	-6930.00	72410.00	1706.00	64730.00	-9488.00	65600.00	35
36	-9744.00	105800.00	7992.00	97100.00	-10850.00	97710.00	36
37	-4512.00	82860.00	1248.00	70580.00	-4968.00	72840.00	37
38	-4920.00	80060.00	2600.00	68330.00	-4968.00	71030.00	38

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AIRCRAFT SLP1 FLIGHT 134
TGW 2n800 TBCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.20	264.40	264.10	1.01	1.02	1.00	2
3	264.00	264.30	263.90	.99	1.01	.99	3
4	264.00	264.30	263.90	1.01	1.02	.99	4
5	264.30	264.40	263.90	.99	1.01	.98	5
6	264.30	264.40	264.10	1.01	1.02	.99	6
7	264.20	264.30	264.10	.99	1.01	.99	7
8	264.20	264.30	263.90	.99	1.01	.99	8
9	264.30	264.40	263.90	1.00	1.02	.98	9
10	264.30	264.40	263.90	1.00	1.01	.99	10
11	264.40	264.60	263.90	1.00	1.02	.98	11
12	264.00	264.30	263.50	1.00	1.02	.98	12
13	264.00	264.30	263.90	.99	1.02	.98	13
14	264.00	264.30	263.90	1.01	1.02	.98	14
15	263.80	264.40	263.50	.99	1.02	.95	15
16	263.90	264.90	262.80	1.02	1.03	1.00	16
17	263.80	263.90	263.70	1.00	1.01	.99	17
18	264.00	264.30	263.90	1.01	1.01	1.00	18
19	264.30	264.40	264.10	.99	1.01	.98	19
20	264.20	264.30	263.90	.99	1.01	.98	20
21	264.20	264.40	263.90	1.01	1.01	1.00	21
22	264.20	264.30	263.90	1.00	1.01	.98	22
23	264.00	264.10	263.90	1.01	1.01	.99	23
24	263.90	264.10	263.70	.99	1.01	.99	24
25	263.90	264.30	263.50	.99	1.05	.97	25
26	264.00	265.10	262.90	.98	1.15	.87	26
27	264.10	264.30	263.70	1.01	1.04	.95	27
28	264.20	265.10	262.80	.88	1.16	.82	28
29	263.60	264.30	263.30	.94	1.02	.93	29
30	263.60	264.60	262.80	.97	1.16	.81	30
31	263.90	264.40	263.50	1.07	1.09	.96	31
32	263.50	264.40	263.30	.92	1.13	.86	32
33	263.90	264.10	263.70	.97	1.01	.94	33
34	264.00	264.40	263.30	.99	1.13	.88	34
35	263.80	264.10	263.50	.98	1.01	.96	35
36	264.10	264.40	262.90	.99	1.14	.89	36
37	263.80	264.10	263.70	.99	1.01	.97	37
38	263.80	264.10	263.70	1.01	1.02	.97	38

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AIRCRAFT SLP1 FLIGHT 134
TGW 20800 TnCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	-0.09	.24	.25	.84	2.22	.41	2
3	.73	.89	.08	.20	.76	-.88	3
4	-.74	-.25	-.90	-.92	.58	-1.39	4
5	.73	1.38	.40	-.40	.24	-.53	5
6	.73	1.05	-1.06	-.96	-.28	-1.56	6
7	.73	.89	-.09	-1.65	-1.05	-2.25	7
8	-.09	.56	-.25	-2.12	-1.48	-3.02	8
9	.89	1.70	-.58	-1.01	-.45	-1.65	9
10	-1.06	-.74	-1.88	-2.42	-1.74	-2.77	10
11	-1.55	-1.06	-2.04	-2.42	-1.48	-3.02	11
12	-.09	.40	-.58	-3.02	-2.17	-4.23	12
13	.89	1.05	-.09	-3.33	-2.60	-3.88	13
14	.08	.56	-.58	-2.90	-2.42	-4.06	14
15	.73	.89	-.09	-2.64	-1.82	-4.14	15
16	-.09	.56	-.58	-.28	.76	-.79	16
17	.24	.40	-.58	-.45	.50	-.79	17
18	-.74	.08	-.90	.67	.93	-.36	18
19	-.58	.08	-1.06	-.06	.33	-.28	19
20	-.58	-.09	-1.23	-1.09	-.96	-1.74	20
21	.08	.56	-.09	-1.91	-.96	-2.25	21
22	.73	1.05	-.58	-1.95	-1.56	-3.02	22
23	.89	1.38	.73	-1.31	-.79	-1.74	23
24	.81	1.05	.08	-1.86	-1.39	-2.17	24
25	.81	1.38	-.41	-4.31	-4.14	-5.35	25
26	.81	1.54	-.58	-5.73	-2.25	-7.15	26
27	-.58	-.25	-1.06	-3.97	-3.45	-5.26	27
28	.73	.89	-.90	-3.58	-1.48	-6.81	28
29	.65	3.17	-.09	-3.50	-3.37	-4.66	29
30	.73	1.87	-.09	-4.57	-.10	-6.89	30
31	.89	1.54	.40	-6.55	-5.43	-8.18	31
32	-.66	1.54	-.90	-7.02	-4.91	-9.21	32
33	.73	1.05	-.25	-6.89	-6.55	-7.92	33
34	.89	1.38	-.25	-5.30	-4.14	-8.35	34
35	.73	1.22	.24	-6.33	-6.12	-6.72	35
36	.97	1.54	-1.39	-6.25	-3.20	-7.66	36
37	-.74	-.58	-1.55	-5.47	-4.91	-5.86	37
38	.24	.73	-.25	-5.52	-5.09	-6.03	38

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135
T6GW 20800 TBCG 9.7 AFT FLIGHT DATE 08/26/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	125700.00	7736.00	137300.00	115400.00	8257.00	68690.00	2
3	150200.00	7744.00	143100.00	134700.00	7344.00	73250.00	3
4	163100.00	10320.00	183800.00	148900.00	10540.00	70060.00	4
5	248900.00	13550.00	271500.00	232800.00	1888.00	74160.00	5
6	261800.00	16130.00	288300.00	245700.00	5984.00	74610.00	6
7	298600.00	19360.00	321800.00	272800.00	1888.00	81440.00	7
8	279900.00	18710.00	305100.00	259900.00	2336.00	82800.00	8
9	259300.00	17420.00	284400.00	239200.00	6888.00	78250.00	9
10	213400.00	12900.00	231500.00	195400.00	5984.00	74610.00	10
12	156700.00	9032.00	148300.00	145100.00	8714.00	70050.00	12
13	136700.00	9680.00	146400.00	119200.00	10540.00	70060.00	13
14	119200.00	7744.00	127000.00	96030.00	10080.00	70510.00	14
15	128900.00	7096.00	142500.00	121800.00	7804.00	70960.00	15
16	153400.00	8392.00	141800.00	142500.00	7344.00	76880.00	16
17	172800.00	9680.00	186400.00	163100.00	8712.00	75510.00	17
18	240500.00	15490.00	259900.00	221200.00	3256.00	78250.00	18
19	284400.00	18060.00	303800.00	262500.00	3712.00	77790.00	19
20	273400.00	17420.00	243500.00	252200.00	4624.00	78700.00	20
21	230200.00	14190.00	245700.00	214700.00	5984.00	76430.00	21
22	141200.00	8384.00	172200.00	152800.00	11900.00	74150.00	22
23	126400.00	8384.00	138600.00	116700.00	10530.00	74600.00	23
25	105700.00	7096.00	114100.00	97310.00	9168.00	68690.00	25
26	199900.00	16130.00	210200.00	125700.00	10530.00	87340.00	26
27	225100.00	25810.00	284400.00	173400.00	6896.00	83710.00	27
28	300600.00	25160.00	370900.00	222500.00	5072.00	83710.00	28

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AIRCRAFT SLP1 FLIGHT 135
TBCW 20800 TBCG 9.7 AFT FLIGHT DATE 08/26/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	-5930.00	67940.00	-11430.00	78570.00	2672.00	80510.00	2
3	-6376.00	73750.00	-12330.00	84860.00	2672.00	85790.00	3
4	-1456.00	74190.00	-6040.00	86650.00	7952.00	81390.00	4
5	5626.00	75090.00	2936.00	87540.00	2672.00	86670.00	5
6	7485.00	72400.00	6536.00	86650.00	4872.00	88870.00	6
7	3456.00	80900.00	1144.00	96520.00	40.00	95460.00	7
8	9712.00	80000.00	6528.00	95630.00	3120.00	97660.00	8
9	9264.00	75090.00	248.00	92040.00	3552.00	92830.00	9
10	5696.00	73300.00	2488.00	87100.00	2672.00	87550.00	10
12	-120.00	71960.00	-6040.00	83960.00	3112.00	80070.00	12
13	-2352.00	73300.00	-10530.00	83950.00	-408.00	83590.00	13
14	-3688.00	71060.00	-11420.00	81260.00	1352.00	84470.00	14
15	-5480.00	71060.00	-14570.00	80810.00	-848.00	83150.00	15
16	-4584.00	78220.00	-13220.00	89340.00	-2600.00	90180.00	16
17	-568.00	79560.00	-9184.00	90690.00	912.00	88430.00	17
18	3904.00	79550.00	-1104.00	91580.00	-848.00	89310.00	18
19	5240.00	79110.00	688.00	90690.00	-848.00	89310.00	19
20	6584.00	79560.00	2488.00	91590.00	912.00	90190.00	20
21	3456.00	77330.00	-1104.00	88900.00	3112.00	87110.00	21
22	-2360.00	77770.00	-8736.00	89340.00	912.00	88430.00	22
23	-4136.00	76870.00	-11430.00	87540.00	-248.00	87550.00	23
25	-4140.00	67940.00	-14120.00	78570.00	-408.00	81830.00	25
26	776.00	89830.00	-7840.00	104600.00	8400.00	102900.00	26
27	3896.00	84020.00	-2448.00	99220.00	4440.00	99860.00	27
28	11060.00	82240.00	8320.00	98320.00	7520.00	99420.00	28

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AIRCRAFT SLP1 FLIGHT 135
TBGW 20800 TBCR 9.7 AFT FLIGHT DATE 08/26/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	222300.00	10310.00	295200.00	212000.00	-3904.00	72190.00	2
3	224800.00	10320.00	296400.00	209400.00	-2128.00	78430.00	3
4	219000.00	12250.00	246800.00	206800.00	-3904.00	83780.00	4
5	306700.00	18690.00	325400.00	284200.00	7680.00	77540.00	5
6	324800.00	21270.00	352500.00	303500.00	10800.00	75310.00	6
7	356400.00	27080.00	387300.00	329300.00	7232.00	86900.00	7
8	343500.00	26430.00	389900.00	334400.00	9016.00	77100.00	8
9	339000.00	23850.00	368000.00	309900.00	8125.00	69960.00	9
10	289300.00	18050.00	312500.00	270000.00	10800.00	65500.00	10
12	246800.00	10320.00	263500.00	236400.00	5011.00	56150.00	12
13	232600.00	10310.00	246800.00	218400.00	-1673.00	59270.00	13
14	219700.00	9024.00	222600.00	206800.00	-2564.00	61050.00	14
15	224200.00	10960.00	237700.00	213200.00	-2568.00	72630.00	15
16	224800.00	11600.00	296400.00	209400.00	-2568.00	85110.00	16
17	237100.00	13540.00	250600.00	218400.00	992.00	86000.00	17
18	294500.00	20630.00	320300.00	271300.00	11690.00	96700.00	18
19	342800.00	25140.00	373100.00	315100.00	12580.00	100300.00	19
20	351800.00	26430.00	380900.00	322800.00	12140.00	85560.00	20
21	317000.00	19980.00	337000.00	291900.00	6348.00	70850.00	21
22	256400.00	12250.00	268700.00	241600.00	2338.00	62390.00	22
23	226100.00	10310.00	299000.00	213200.00	-1673.00	63720.00	23
25	232600.00	25780.00	258400.00	205500.00	-6135.00	61950.00	25
26	320900.00	25140.00	349900.00	219700.00	-792.00	103800.00	26
27	337700.00	31580.00	387300.00	255800.00	-5696.00	110500.00	27
28	343400.00	31590.00	405400.00	288000.00	15250.00	95810.00	28

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135
T8GW 20800 T8GR 9.7 AFT FLIGHT DATE 08/26/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	1952.00	75330.00	-10960.00	66030.00	5966.00	66930.00	2
3	1048.00	81640.00	-9612.00	71880.00	5968.00	73260.00	3
4	1952.00	87060.00	-11410.00	77260.00	7776.00	79600.00	4
5	152.00	80740.00	-4225.00	69180.00	1888.00	72820.00	5
6	-133600.00	95410.00	-318.00	66930.00	2800.00	69200.00	6
7	-136800.00	92250.00	264.00	79060.00	-4440.00	80060.00	7
8	-130900.00	98120.00	2064.00	70080.00	-3080.00	68740.00	8
9	-128200.00	100800.00	1172.00	64680.00	5063.00	64220.00	9
10	-134500.00	94510.00	-3319.00	61990.00	6876.00	63320.00	10
12	-229000.00		-6464.00	54350.00	9138.00	57440.00	12
13	-229000.00		-10510.00	58400.00	7325.00	58340.00	13
14	-229000.00		-11860.00	57050.00	8686.00	57890.00	14
15	-229000.00		-9163.00	66040.00	6870.00	67830.00	15
16	-229000.00		-10960.00	75020.00	5056.00	79600.00	16
17	-229000.00		-7368.00	75910.00	2344.00	80500.00	17
18	-229000.00		4760.00	84460.00	-5792.00	87740.00	18
19	-159300.00	69700.00	10600.00	92090.00	-13030.00	86840.00	19
20	-149400.00	79620.00	6552.00	74570.00	-10320.00	75980.00	20
21	-229000.00		1623.00	61540.00	-4886.00	63320.00	21
22	-229000.00		-624.00	55700.00	1450.00	58800.00	22
23	-229000.00		-7369.00	59750.00	3712.00	60150.00	23
25	-217000.00	11960.00	-10960.00	57050.00	2355.00	58800.00	25
26	-229000.00		-7368.00	100200.00	-14390.00	109000.00	26
27	-140800.00	88190.00	-12760.00	103800.00	-23430.00	104500.00	27
28	-123700.00	105300.00	10600.00	88490.00	-12130.00	93170.00	28

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135
TCGW 2n800 TBCG 9.7 AFT FLIGHT DATE 08/26/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.00	264.40	263.90	1.02	1.02	.98	2
3	264.40	264.90	263.70	1.05	1.06	.97	3
4	264.20	265.40	263.50	1.06	1.12	.93	4
5	264.10	264.30	263.50	1.01	1.05	.88	5
6	263.90	264.30	263.70	1.03	1.04	.95	6
7	264.30	264.40	263.70	.99	1.04	.95	7
8	263.90	264.40	263.70	1.02	1.04	.95	8
9	264.10	264.40	263.70	1.02	1.09	.90	9
10	264.40	264.60	263.90	.94	1.07	.92	10
12	264.00	264.40	263.90	.99	1.02	.97	12
13	263.70	264.30	263.50	.98	1.02	.96	13
14	263.90	264.60	263.50	.99	1.04	.96	14
15	264.00	264.10	263.90	.99	1.01	.98	15
16	264.00	264.40	263.90	.99	1.01	.99	16
17	264.30	264.40	263.70	.99	1.02	.97	17
18	264.10	264.40	263.70	.98	1.03	.95	18
19	263.90	264.10	263.50	.99	1.03	.96	19
20	263.90	264.10	263.50	.98	1.01	.96	20
21	263.90	264.10	263.70	.99	1.02	.97	21
22	263.80	264.10	263.70	.99	1.01	.98	22
23	264.00	264.30	263.90	1.03	1.04	.98	23
25	263.80	263.90	263.50	.99	1.00	.98	25
26	264.70	265.60	262.00	1.27	1.54	1.00	26
27	264.70	265.60	262.40	1.10	1.45	.91	27
28	263.50	264.90	262.90	1.00	1.27	.86	28

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135
T6GW 20800 TABG 9.7 AFT FLIGHT DATE 08/26/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	.69	.36	-1.18	-1.10	.61	-1.88	2
3	.69	.36	-1.51	-.55	.78	-.93	3
4	.03	.95	.53	-1.62	-.42	-2.13	4
5	1.36	1.93	.69	-3.12	-2.22	-4.79	5
6	1.44	2.42	1.11	-3.25	-2.56	-3.76	6
7	1.52	2.10	.62	-4.79	-4.28	-5.22	7
8	.95	1.77	.13	-4.92	-3.16	-5.22	8
9	-1.18	.13	-1.84	-4.49	-2.65	-4.88	9
10	.38	1.11	-1.02	-3.94	-2.13	-4.62	10
12	-.03	.78	-.85	-1.49	-1.02	-1.79	12
13	-1.59	-.53	-2.65	-.38	-.44	-1.02	13
14	-.77	-.20	-1.84	.18	1.90	-.42	14
15	-.03	.29	-.36	-.16	.35	-1.02	15
16	-.03	.46	-.53	-1.23	-.85	-1.45	16
17	-.28	1.28	-.53	-2.48	-1.88	-4.02	17
18	1.03	2.42	-.20	-5.09	-3.85	-5.82	18
19	-.03	.46	-.53	-5.39	-4.62	-5.99	19
20	-.03	.62	-.20	-5.86	-4.62	-6.25	20
21	-.69	-.20	-1.34	-4.19	-3.08	-4.62	21
22	-1.75	-.85	-2.16	-1.92	-1.45	-2.48	22
23	-.12	.13	-.85	-.98	.61	-1.28	23
25	-.03	.13	-.69	1.21	1.98	.52	25
26	-40.23	-6.75	-45.06	7.21	9.79	-1.45	26
27	-35.73	-.53	-40.64	2.37	7.73	-3.51	27
28	-4.29	-3.80	-31.31	-4.02	5.84	-5.31	28

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 136
TOGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
1	137400.00	6448.00	143800.00	128400.00	8447.00	70580.00	1
2	179900.00	7744.00	187700.00	168300.00	7539.00	63290.00	2
3	199900.00	8384.00	2n8300.00	185100.00	5717.00	65120.00	3
4	238600.00	13540.00	253400.00	222500.00	7080.00	71030.00	4
5	279200.00	18060.00	3n3700.00	259900.00	4800.00	72400.00	5
6	283100.00	42550.00	336000.00	187700.00	7072.00	81060.00	6
7	299200.00	21280.00	329500.00	270200.00	5256.00	78330.00	7
8	283700.00	45780.00	345000.00	208300.00	8904.00	84700.00	8
9	285700.00	18060.00	3n3700.00	263800.00	9816.00	72860.00	9
10	242500.00	18050.00	3n1200.00	236700.00	1160.00	77860.00	10
11	138700.00	7744.00	146400.00	118000.00	11180.00	65110.00	11
12	116100.00	7096.00	136100.00	105100.00	10270.00	63300.00	12
13	120600.00	9032.00	143800.00	110300.00	10270.00	63300.00	13
14	132900.00	7096.00	140000.00	121900.00	10730.00	60110.00	14
15	148300.00	8376.00	145700.00	140000.00	7538.00	61470.00	15
16	179900.00	7744.00	190300.00	161900.00	10720.00	66480.00	16
17	143800.00	8376.00	173500.00	151600.00	9818.00	64660.00	17
18	149600.00	7736.00	181200.00	161900.00	11180.00	65110.00	18
19	239200.00	12900.00	256000.00	221200.00	9814.00	70120.00	19
20	241800.00	15480.00	245000.00	223800.00	6175.00	68310.00	20
21	239200.00	34820.00	281800.00	181200.00	4800.00	76050.00	21
22	239900.00	12250.00	252100.00	225100.00	8447.00	70580.00	22
23	240500.00	33530.00	287000.00	173500.00	2984.00	78780.00	23
24	281200.00	19990.00	3n3700.00	261200.00	7080.00	79240.00	24
25	248900.00	32240.00	326900.00	218600.00	6624.00	83330.00	25
26	298600.00	18060.00	319200.00	267600.00	6624.00	75140.00	26
27	270200.00	30950.00	329500.00	223800.00	2520.00	88340.00	27
28	3n2400.00	23210.00	325600.00	266300.00	6168.00	78330.00	28
29	225700.00	12260.00	239200.00	205700.00	6624.00	69660.00	29

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 136
T6GW 20800 TBCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
1	-5416.00	71880.00	-10870.00	81880.00	4960.00	82350.00	1
2	-2285.00	66080.00	-4576.00	75580.00	6280.00	72230.00	2
3	2179.00	66080.00	-1424.00	76030.00	3640.00	73990.00	3
4	5754.00	68760.00	2616.00	82780.00	4960.00	82350.00	4
5	3072.00	71440.00	-528.00	86830.00	3632.00	86320.00	5
6	4408.00	78140.00	816.00	96270.00	6280.00	96010.00	6
7	6640.00	75900.00	1272.00	92230.00	1000.00	92490.00	7
8	3064.00	83050.00	-3680.00	99870.00	7160.00	99530.00	8
9	7539.00	71440.00	1720.00	85480.00	7160.00	86330.00	9
10	10210.00	75000.00	-3680.00	90880.00	1440.00	92050.00	10
11	840.00	69210.00	-8632.00	77830.00	2760.00	74870.00	11
12	-1397.00	65200.00	-13570.00	73790.00	1000.00	74870.00	12
13	-2290.00	64300.00	-11780.00	74690.00	560.00	75310.00	13
14	-2735.00	62960.00	-12220.00	71540.00	-328.00	70900.00	14
15	-1389.00	63400.00	-9071.00	72880.00	1872.00	72220.00	15
16	840.00	68310.00	-7728.00	78740.00	5400.00	75750.00	16
17	384.00	46980.00	-6832.00	76930.00	2760.00	73990.00	17
18	1280.00	66980.00	-6376.00	77380.00	2760.00	73990.00	18
19	8881.00	46530.00	-1432.00	81430.00	5400.00	82790.00	19
20	7093.00	67420.00	-80.00	83680.00	7160.00	81030.00	20
21	11110.00	72330.00	6224.00	87280.00	112.00	88960.00	21
22	11110.00	66970.00	2416.00	80980.00	3632.00	82800.00	22
23	9773.00	74560.00	6672.00	86830.00	-2968.00	91160.00	23
24	11100.00	77700.00	5768.00	93130.00	3200.00	94690.00	24
25	9320.00	81260.00	-1432.00	98520.00	552.00	97340.00	25
26	5304.00	72780.00	824.00	85480.00	992.00	87200.00	26
27	11100.00	84830.00	4864.00	99420.00	-2528.00	102200.00	27
28	4192.00	76350.00	3968.00	91330.00	4520.00	92490.00	28
29	9774.00	65630.00	1720.00	79180.00	2312.00	81480.00	29

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 136
TSGW 20800 TSCG 9+7 AFT FLIGHT DATE 08/29/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
1	226000.00	18100.00	244000.00	205300.00	-3560.00	75640.00	1
2	229800.00	11630.00	245300.00	218200.00	-2232.00	76970.00	2
3	247300.00	12290.00	259600.00	229800.00	2672.00	75630.00	3
4	275700.00	18740.00	299600.00	257000.00	8448.00	83200.00	4
5	314500.00	23910.00	342300.00	290600.00	9792.00	89870.00	5
6	314500.00	49770.00	388800.00	260800.00	8448.00	144600.00	6
7	32R700.00	27790.00	349400.00	299600.00	19140.00	105400.00	7
8	334500.00	56880.00	418600.00	259600.00	14680.00	132100.00	8
9	321000.00	23910.00	344900.00	290600.00	12010.00	86760.00	9
10	337800.00	22620.00	360400.00	293200.00	15570.00	89420.00	10
11	250500.00	7760.00	258300.00	231100.00	5347.00	40040.00	11
12	220100.00	7112.00	233700.00	207900.00	-3107.00	52050.00	12
13	234900.00	8408.00	245300.00	218200.00	452.00	60950.00	13
14	221400.00	8400.00	232400.00	213000.00	-882.50	62290.00	14
15	204600.00	9696.00	220800.00	193600.00	-1784.00	67620.00	15
16	236300.00	9048.00	249200.00	219500.00	5786.00	62730.00	16
17	243400.00	8408.00	251800.00	228500.00	5346.00	54280.00	17
18	259600.00	10340.00	271200.00	249200.00	4457.00	48940.00	18
19	284700.00	19390.00	308700.00	264700.00	11570.00	69400.00	19
20	313200.00	18740.00	332000.00	281500.00	11570.00	62280.00	20
21	306700.00	35540.00	365600.00	254400.00	13800.00	73410.00	21
22	310600.00	17460.00	328100.00	290600.00	12910.00	54720.00	22
23	311300.00	34900.00	385000.00	254400.00	16460.00	83200.00	23
24	357200.00	25210.00	382400.00	326800.00	12020.00	71630.00	24
25	374000.00	39420.00	425000.00	308700.00	7120.00	101400.00	25
26	352600.00	23260.00	377200.00	321600.00	11120.00	73400.00	26
27	349400.00	40720.00	404400.00	294500.00	9792.00	108600.00	27
28	339100.00	29080.00	372000.00	302200.00	16020.00	89870.00	28
29	245400.00	16160.00	288000.00	242800.00	9790.00	70290.00	29

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 136
TCGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
1	1824.00	84060.00	-8595.00	69390.00	4312.00	71050.00	1
2	856.00	86970.00	-9502.00	72100.00	5208.00	74660.00	2
3	1832.00	85030.00	-7699.00	71200.00	5664.00	73310.00	3
4	2792.00	89860.00	408.00	74790.00	2944.00	76930.00	4
5	2312.00	95180.00	2664.00	80650.00	3848.00	80550.00	5
6	-8320.00	136700.00	-8152.00	132900.00	-16960.00	116800.00	6
7	-6384.00	116400.00	9872.00	90560.00	-4288.00	98660.00	7
8	-12660.00	133400.00	4912.00	118000.00	-15150.00	114900.00	8
9	856.00	91800.00	2664.00	76150.00	1584.00	78290.00	9
10	-6384.00	96140.00	6720.00	77500.00	2040.00	82360.00	10
11	-1547.00	43970.00	-1835.00	40100.00	6124.00	39370.00	11
12	3768.00	56050.00	-11750.00	49110.00	8839.00	47520.00	12
13	2315.00	65220.00	-11300.00	58580.00	10650.00	55660.00	13
14	3283.00	66190.00	-11750.00	59930.00	10650.00	55660.00	14
15	2312.00	73930.00	-14010.00	62190.00	9738.00	61990.00	15
16	-592.00	71020.00	-11300.00	58580.00	6124.00	61090.00	16
17	386.00	59430.00	-4539.00	50920.00	7481.00	50680.00	17
18	-1547.00	50730.00	-5440.00	43710.00	4314.00	43900.00	18
19	864.00	76340.00	868.50	64430.00	5666.00	64250.00	19
20	384.00	69090.00	2220.00	58580.00	4313.00	58380.00	20
21	-1552.00	80690.00	1317.00	66680.00	3858.00	68780.00	21
22	-2030.00	60880.00	4473.00	50010.00	2051.00	51590.00	22
23	-10250.00	86490.00	7173.00	72540.00	-7912.00	74220.00	23
24	-584.00	74890.00	2669.00	65330.00	2504.00	61090.00	24
25	-8320.00	109700.00	5360.00	95070.00	-8360.00	96390.00	25
26	-3000.00	77300.00	4015.00	65780.00	-2928.00	63810.00	26
27	-12180.00	120300.00	3120.00	100900.00	-8816.00	105900.00	27
28	-2040.00	96630.00	9424.00	78400.00	240.00	81460.00	28
29	-104.00	76340.00	-1387.00	64890.00	6118.00	63800.00	29

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 136
TOW 20800 TBCG 9+7 AFT FLIGHT DATE 08/29/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
1	264.20	264.40	264.10	1.01	1.02	1.00	1
2	264.50	264.60	264.30	1.01	1.02	.99	2
3	264.50	264.60	264.10	1.01	1.02	.98	3
4	264.30	264.60	264.10	.97	1.00	.95	4
5	264.20	264.60	264.10	.99	1.05	.95	5
6	265.30	266.00	263.10	1.22	1.28	.81	6
7	263.80	264.60	263.30	1.03	1.11	.91	7
8	264.80	265.60	263.30	.94	1.24	.85	8
9	264.40	264.60	263.90	1.05	1.08	1.00	9
10	264.60	265.10	263.30	1.12	1.17	.85	10
11	264.20	264.30	263.90	1.01	1.02	.98	11
12	264.80	265.30	264.30	.96	1.02	.93	12
13	264.20	264.30	263.70	1.03	1.04	.97	13
14	264.20	264.30	263.90	1.00	1.01	.99	14
15	264.70	264.90	263.50	1.02	1.05	.95	15
16	263.90	264.30	263.30	.97	1.03	.89	16
17	264.00	264.10	263.70	.99	1.04	.97	17
18	263.90	264.10	263.70	.99	1.00	.96	18
19	264.40	264.60	263.90	1.02	1.07	.98	19
20	263.90	264.10	263.70	1.00	1.08	.90	20
21	264.90	265.30	263.30	1.08	1.18	.87	21
22	264.10	264.30	263.90	.97	.99	.95	22
23	264.80	265.30	263.10	1.04	1.21	.83	23
24	264.10	264.40	263.90	1.06	1.08	.94	24
25	264.80	265.30	263.10	1.01	1.27	.81	25
26	264.10	264.30	263.70	.89	1.04	.86	26
27	263.40	264.90	262.90	.99	1.24	.79	27
28	264.30	264.60	263.30	1.04	1.15	.86	28
29	263.90	264.60	263.50	.98	1.06	.95	29

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 136
TBCW 20800 TBCG 9+7 AFT FLIGHT DATE 08/29/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
1	.16	.98	-.17	.41	.92	-.19	1
2	.07	1.31	-.84	-1.17	-.70	-1.81	2
3	-.67	.16	-1.00	-2.88	-1.90	-3.35	3
4	.16	.32	-1.33	-4.76	-3.95	-5.06	4
5	.24	1.31	-1.00	-3.86	-3.09	-6.00	5
6	1.48	1.81	-2.32	-1.17	2.71	-6.60	6
7	-1.33	.49	-2.32	-6.25	-4.03	-6.77	7
8	-.50	.65	-2.65	-3.05	-.79	-6.60	8
9	-1.17	-1.00	-1.83	-4.55	-3.27	-4.89	9
10	-.67	.49	-1.50	-1.81	-1.22	-7.54	10
11	.65	1.31	-.17	3.87	4.34	3.14	11
12	.90	1.31	-.01	3.01	3.65	2.03	12
13	.40	1.15	-.84	1.90	2.89	1.35	13
14	.82	1.31	.16	3.31	3.40	2.80	14
15	.65	1.31	.16	-.83	-.19	-1.47	15
16	3.38	4.45	2.63	-1.04	-.02	-1.64	16
17	2.22	2.96	1.31	-.19	.92	-.45	17
18	.90	1.15	-.01	-.49	.83	-.70	18
19	1.56	2.30	-.34	-1.56	-1.39	-3.44	19
20	3.05	3.30	2.14	-2.84	-1.98	-3.95	20
21	-.26	1.15	-2.32	-1.85	-.62	-5.31	21
22	1.56	1.64	1.15	-3.22	-3.09	-3.86	22
23	-.50	1.97	-2.82	-3.27	1.52	-5.23	23
24	-.67	-.34	-1.33	-3.65	-3.18	-5.06	24
25	-.17	1.64	-.99	-3.56	-.62	-7.62	25
26	-.17	.65	-.17	-6.47	-4.46	-6.94	26
27	2.72	5.11	-1.17	-2.97	-1.47	-7.45	27
28	-.17	.65	-2.65	-7.28	-4.03	-7.96	28
29	.16	1.31	-.17	-2.62	-2.15	-4.03	29

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 137
TGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	156100.00	17410.00	178600.00	136100.00	2176.00	76800.00	2
3	139300.00	8384.00	147700.00	128400.00	-1840.00	70100.00	3
4	142500.00	7736.00	151400.00	133500.00	-2736.00	72780.00	4
5	187700.00	9032.00	199300.00	174800.00	1728.00	76350.00	5
6	206400.00	13540.00	225100.00	191500.00	4408.00	75460.00	6
7	225100.00	12900.00	238000.00	200600.00	4859.00	68760.00	7
8	250900.00	15480.00	271500.00	232800.00	7984.00	76350.00	8
9	250900.00	15480.00	284400.00	231500.00	7093.00	71880.00	9
10	277300.00	17410.00	294700.00	243100.00	8424.00	74120.00	10
11	267000.00	17410.00	284400.00	245700.00	12450.00	65630.00	11
12	174800.00	9032.00	186400.00	159300.00	2183.00	58040.00	12
13	203100.00	11610.00	216000.00	190300.00	4861.00	65190.00	13
14	253400.00	16770.00	274100.00	236700.00	6640.00	75010.00	14
15	244300.00	15470.00	290800.00	247000.00	7536.00	76800.00	15
16	246300.00	19340.00	290800.00	240500.00	8872.00	82600.00	16
17	127100.00	6448.00	123500.00	116800.00	-3176.00	68760.00	17
18	125800.00	6448.00	128700.00	119300.00	-1390.00	66080.00	18
19	121900.00	6448.00	124800.00	111600.00	-496.00	61620.00	19
20	142500.00	10310.00	152800.00	124500.00	1290.00	64290.00	20
21	144400.00	8384.00	179900.00	150300.00	1728.00	70100.00	21
22	200600.00	10310.00	213500.00	179900.00	3512.00	73670.00	22
23	185700.00	10960.00	196700.00	161900.00	-2736.00	82610.00	23
24	158700.00	8384.00	172200.00	150300.00	-2288.00	75010.00	24
25	127700.00	7088.00	126100.00	115500.00	-4070.00	68760.00	25

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 137
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	14370.00	73760.00	-8176.00	88180.00	8928.00	84560.00	2
3	11180.00	67850.00	-12670.00	80080.00	-768.00	80160.00	3
4	9816.00	72860.00	-13130.00	83220.00	-1208.00	85000.00	4
5	9816.00	72860.00	-7280.00	88180.00	2752.00	84560.00	5
6	7536.00	74220.00	-3680.00	87280.00	2752.00	83680.00	6
7	8908.00	66480.00	-2784.00	80080.00	3200.00	77070.00	7
8	3888.00	76960.00	1264.00	87730.00	-768.00	87200.00	8
9	2528.00	72860.00	3968.00	83230.00	-2088.00	84120.00	9
10	3432.00	76500.00	1272.00	85930.00	-2088.00	87640.00	10
11	1616.00	70130.00	5768.00	76940.00	-3848.00	82360.00	11
12	7542.00	56010.00	-5473.00	68380.00	3640.00	65180.00	12
13	4172.00	63750.00	-528.00	75140.00	560.00	74430.00	13
14	5256.00	74680.00	376.00	85930.00	1872.00	85440.00	14
15	3888.00	76050.00	5768.00	86820.00	1432.00	85880.00	15
16	7072.00	81060.00	7120.00	96270.00	5840.00	92930.00	16
17	8902.00	69210.00	-13130.00	78730.00	-768.00	81040.00	17
18	9819.00	65570.00	-10880.00	75590.00	2760.00	77510.00	18
19	11640.00	60110.00	-7727.00	71540.00	4520.00	71350.00	19
20	12090.00	65110.00	-7728.00	75140.00	9367.00	73550.00	20
21	7087.00	68310.00	-5928.00	81430.00	5400.00	77510.00	21
22	4168.00	72860.00	-1880.00	85480.00	3632.00	82800.00	22
23	8440.00	81510.00	-10430.00	95820.00	2760.00	96890.00	23
24	7080.00	73770.00	-10870.00	86380.00	-1648.00	87200.00	24
25	8446.00	68750.00	-14020.00	78730.00	112.00	81040.00	25

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 137
T8GW 20800 T8CG 9+7 AFT FLIGHT DATE 08/29/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	310000.00	10340.00	320300.00	297100.00	8016.00	43600.00	2
3	244000.00	9056.00	259600.00	232400.00	3120.00	66290.00	3
4	224600.00	10980.00	237600.00	215600.00	2672.00	78300.00	4
5	246000.00	13580.00	259600.00	231100.00	2672.00	89870.00	5
6	248600.00	18100.00	288000.00	249200.00	24020.00	118300.00	6
7	288000.00	34900.00	322900.00	251800.00	8008.00	90760.00	7
8	311300.00	21980.00	325800.00	278900.00	19130.00	123200.00	8
9	307400.00	21980.00	322000.00	280200.00	15120.00	114800.00	9
10	319700.00	23910.00	343600.00	288000.00	13790.00	112600.00	10
11	335200.00	21330.00	356500.00	300900.00	15130.00	93430.00	11
12	235000.00	11640.00	246600.00	214300.00	2677.00	64960.00	12
13	255700.00	14220.00	271200.00	240200.00	5784.00	72520.00	13
14	302200.00	21980.00	328100.00	280200.00	14240.00	98770.00	14
15	315800.00	22620.00	342300.00	288000.00	18240.00	109900.00	15
16	338400.00	31020.00	369400.00	299600.00	13790.00	112600.00	16
17	205300.00	12930.00	218200.00	191000.00	-4448.00	75630.00	17
18	207200.00	10980.00	220800.00	193600.00	-2224.00	80530.00	18
19	234900.00	10980.00	255700.00	226000.00	-2224.00	68060.00	19
20	291200.00	7104.00	299600.00	280200.00	4012.00	58280.00	20
21	224000.00	13580.00	240200.00	206600.00	17790.00	108600.00	21
22	244700.00	16160.00	244700.00	223400.00	14680.00	100100.00	22
23	222100.00	15510.00	250500.00	206600.00	3552.00	105900.00	23
24	215600.00	12920.00	229800.00	201400.00	-3112.00	86760.00	24
25	194900.00	10990.00	210400.00	180700.00	-4008.00	78740.00	25

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 137
TGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-1547.00	44930.00	-3187.00	42350.00	5671.00	41630.00	2
3	-2032.00	73440.00	-7695.00	61280.00	7024.00	61090.00	3
4	-1552.00	88420.00	-9048.00	70740.00	8376.00	74220.00	4
5	-3000.00	101500.00	-8600.00	79300.00	5664.00	85980.00	5
6	-11220.00	122200.00	8072.00	102300.00	-3840.00	108200.00	6
7	-6864.00	100500.00	-40.00	79750.00	-672.00	87790.00	7
8	-5904.00	123700.00	9872.00	105900.00	-5200.00	105900.00	8
9	-8800.00	116900.00	10780.00	105900.00	-4744.00	101800.00	9
10	-7832.00	119800.00	11670.00	102300.00	-6552.00	102700.00	10
11	-8808.00	99530.00	13930.00	87420.00	-7008.00	88700.00	11
12	384.00	73920.00	-5898.00	61290.00	4765.00	64260.00	12
13	-104.00	82140.00	-936.50	65340.00	2496.00	71950.00	13
14	-6872.00	106300.00	5816.00	86500.00	-7008.00	91410.00	14
15	-9760.00	113100.00	11670.00	95980.00	-9272.00	96390.00	15
16	-16540.00	116900.00	9872.00	104100.00	-17870.00	100500.00	16
17	376.00	85510.00	-10850.00	68940.00	5208.00	71050.00	17
18	-3008.00	87940.00	-10850.00	73450.00	-224.00	73760.00	18
19	864.00	75380.00	-8149.00	62640.00	3404.00	64710.00	19
20	7150.00	56530.00	-3187.00	57670.00	7934.00	50230.00	20
21	-12180.00	102900.00	-4992.00	89220.00	-1120.00	86430.00	21
22	-4936.00	102400.00	-488.00	82900.00	-4296.00	85080.00	22
23	-2520.00	110600.00	-10400.00	89220.00	-672.00	92320.00	23
24	-2000.00	96630.00	-12200.00	76600.00	1592.00	79190.00	24
25	376.00	86490.00	-12650.00	70740.00	4304.00	71950.00	25

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 137
TGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.00	264.10	263.70	.99	1.01	.98	2
3	263.90	264.30	263.70	.98	.99	.97	3
4	264.10	264.30	263.90	1.01	1.02	.99	4
5	263.70	264.10	263.50	1.01	1.02	.98	5
6	264.30	264.40	263.70	1.03	1.08	.99	6
7	263.90	264.40	263.70	.98	1.06	.97	7
8	264.00	264.10	263.50	.98	1.04	.97	8
9	263.70	264.40	263.50	.97	1.07	.92	9
10	264.00	264.30	263.90	1.01	1.03	.96	10
11	264.30	264.40	263.70	1.01	1.05	1.00	11
12	264.30	264.40	263.70	1.03	1.04	1.00	12
13	264.00	264.10	263.70	1.01	1.03	1.00	13
14	263.90	264.10	263.50	.97	1.02	.97	14
15	263.90	264.10	263.50	.98	1.01	.92	15
16	263.90	264.30	263.50	1.04	1.06	.94	16
17	264.00	264.30	263.90	1.01	1.03	1.00	17
18	247.60	248.10	247.40	1.01	1.02	.98	18
19	247.60	247.70	247.20	1.01	1.02	1.00	19
20	247.60	247.90	247.50	.99	1.01	.98	20
21	247.40	248.20	247.20	1.01	1.05	.97	21
22	247.60	248.40	247.20	.96	1.00	.93	22
23	264.00	264.10	263.30	1.01	1.03	.98	23
24	263.90	264.10	263.30	.99	1.01	.96	24
25	263.90	264.60	263.50	1.03	1.04	.99	25

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 137
T6GW 20800 TBCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	1.48	2.30	.49	3.48	5.02	1.35	2
3	.82	.98	-.01	-.15	-.02	-.156	3
4	.82	1.31	.49	.19	.32	-.19	4
5	.40	1.81	-.67	-.207	-.1.81	-.2.41	5
6	-.26	.16	-1.00	-1.60	-1.30	-.2.41	6
7	-.34	.65	-.50	-.2.24	-.1.13	-.3.44	7
8	-.75	-.01	-2.16	-3.91	-2.92	-.4.20	8
9	-.2.07	-.67	-2.32	-5.10	-.1.98	-.5.31	9
10	.98	1.31	.49	-.5.36	-.4.12	-.5.74	10
11	.49	.82	-.67	-.4.12	-.2.75	-.4.38	11
12	-.50	-.17	-1.00	-.58	.83	-.07	12
13	-.34	.16	-1.17	-.1.47	-.70	-.1.73	13
14	.65	1.81	.49	-.3.82	-.3.44	-.4.38	14
15	-.34	.65	-.50	-.3.95	-.3.78	-.6.08	15
16	-.09	3.30	-.84	-.3.86	-.3.61	-.6.25	16
17	-.34	.32	-1.50	-.15	.41	-.36	17
18	-.1.66	-.34	-.1.83	-.87	-.19	-.1.13	18
19	-.1.33	-.1.17	-.1.83	1.05	1.60	.66	19
20	1.15	1.31	-.1.00	1.60	3.48	1.26	20
21	-.42	.82	-.1.33	-.3.91	-.96	-.4.12	21
22	-.1.41	-.1.00	-.2.49	-.4.42	-.3.95	-.5.83	22
23	-.1.66	-.67	-.2.32	-.4.63	-.3.78	-.5.31	23
24	-.09	.32	-.84	-.2.50	-.2.32	-.3.35	24
25	-.1.74	.49	-.2.49	-.75	-.19	-.1.30	25

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLPI FLIGHT 138
TSGW 20800 TBCR 9.7 AFT FLIGHT DATE 08/30/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
1	103200.00	7096.00	111600.00	94830.00	-4403.00	65200.00	1
2	151600.00	11620.00	143200.00	132300.00	-3960.00	71900.00	2
3	242000.00	7744.00	254800.00	234200.00	-2617.00	42870.00	3
4	237400.00	14840.00	245200.00	222600.00	7655.00	51350.00	4
5	258700.00	26130.00	294800.00	198100.00	-2170.00	45100.00	5
6	270300.00	16770.00	287100.00	221300.00	1840.00	83060.00	6
7	255500.00	34200.00	307800.00	198100.00	-4850.00	64750.00	7
8	157400.00	8384.00	174800.00	145200.00	-2624.00	73230.00	8
9	229000.00	14190.00	249700.00	214800.00	5864.00	77260.00	9
10	281300.00	18710.00	310300.00	261300.00	6304.00	78590.00	10
11	294200.00	26450.00	326100.00	248400.00	8536.00	86180.00	11
12	285200.00	31620.00	342600.00	205800.00	12560.00	93780.00	12
13	246000.00	18060.00	298700.00	238100.00	-2176.00	79940.00	13
14	277400.00	18710.00	311600.00	257400.00	8984.00	85740.00	14
15	280700.00	19360.00	323600.00	253600.00	5856.00	83500.00	15
16	318100.00	24520.00	345200.00	253600.00	7648.00	83500.00	16
17	271600.00	24520.00	351500.00	214800.00	9880.00	83940.00	17
18	253600.00	25820.00	306500.00	208400.00	10330.00	84390.00	18
19	249000.00	29030.00	300000.00	173600.00	10780.00	82170.00	19
20	220000.00	21940.00	292300.00	155500.00	7200.00	79490.00	20
21	327800.00	54850.00	386500.00	194200.00	4072.00	95110.00	21
22	304500.00	26460.00	327400.00	274200.00	18370.00	88860.00	22
23	318700.00	36780.00	358100.00	260000.00	5416.00	81270.00	23
24	341300.00	40000.00	381300.00	274200.00	60780.00	127700.00	24
25	249700.00	22580.00	293400.00	244500.00	29980.00	78150.00	25
26	276800.00	34840.00	315500.00	214800.00	9882.00	75010.00	26
27	274200.00	30980.00	325800.00	230300.00	7648.00	112100.00	27
28	171000.00	23220.00	293900.00	69020.00	-2176.00	79040.00	28
29	212300.00	38710.00	251000.00	118100.00	-1288.00	86180.00	29
30	167100.00	11620.00	185200.00	125800.00	1392.00	78140.00	30
31	182600.00	10330.00	200700.00	136100.00	1400.00	77260.00	31
32	213600.00	18060.00	239400.00	124500.00	504.00	85290.00	32
33	210300.00	16140.00	242000.00	123200.00	8536.00	90650.00	33
34	297400.00	20650.00	323200.00	227700.00	-2176.00	90660.00	34
35	304500.00	22580.00	333600.00	243200.00	11220.00	79940.00	35
36	98700.00	27100.00	142600.00	-54850.00	4520.00	70550.00	36

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138
TOWH 20800 TBCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
1	7460.00	65050.00	-11910.00	75100.00	1936.00	78510.00	1
2	12010.00	47780.00	-11460.00	82740.00	5904.00	81600.00	2
3	4735.00	40490.00	-6505.00	49910.00	2390.00	47200.00	3
4	4280.00	53680.00	7885.00	56210.00	-5112.00	60870.00	4
5	5644.00	44130.00	-6955.00	51260.00	4154.00	53370.00	5
6	2000.00	86900.00	-2464.00	91730.00	-2472.00	96150.00	6
7	-6646.00	60060.00	-6962.00	71050.00	-15700.00	68810.00	7
8	9281.00	70510.00	-8760.00	83640.00	4144.00	82480.00	8
9	5176.00	78250.00	2928.00	89940.00	3712.00	90860.00	9
10	3816.00	79610.00	3376.00	91280.00	5032.00	92180.00	10
11	3816.00	88710.00	8776.00	102100.00	3264.00	105400.00	11
12	-280.00	99180.00	6976.00	113800.00	-3800.00	116900.00	12
13	16110.00	78250.00	-11010.00	99380.00	9000.00	98810.00	13
14	-4832.00	88260.00	6080.00	96670.00	-10410.00	102300.00	14
15	632.00	88260.00	2480.00	98480.00	-1144.00	102800.00	15
16	1088.00	88720.00	2480.00	98480.00	-2912.00	104500.00	16
17	10180.00	87800.00	5176.00	101200.00	6792.00	105400.00	17
18	3360.00	84620.00	-1120.00	99380.00	176.00	97040.00	18
19	3816.00	81430.00	3832.00	94420.00	-1144.00	95720.00	19
20	8824.00	80070.00	2032.00	94430.00	4584.00	92630.00	20
21	7456.00	95090.00	2936.00	110600.00	5032.00	109000.00	21
22	19740.00	90980.00	15070.00	109300.00	24870.00	107600.00	22
23	17470.00	82340.00	-8760.00	96230.00	17820.00	97920.00	23
24	24560.00	105100.00	40490.00	145700.00	23550.00	128400.00	24
25	176.00	77790.00	93060.00	91280.00	-264.00	97480.00	25
26	18840.00	77340.00	2480.00	91280.00	4152.00	90420.00	26
27	-8464.00	149200.00	5632.00	128600.00	-6440.00	169800.00	27
28	10650.00	79160.00	-15950.00	91730.00	-704.00	96160.00	28
29	7008.00	82800.00	-5616.00	100300.00	-2472.00	99690.00	29
30	10190.00	75060.00	-8760.00	90820.00	5472.00	86450.00	30
31	11550.00	74610.00	-9656.00	89030.00	2384.00	86020.00	31
32	12920.00	81430.00	-9656.00	100700.00	2376.00	97480.00	32
33	1088.00	93260.00	1584.00	101200.00	-2472.00	100600.00	33
34	8824.00	85530.00	-12350.00	103400.00	176.00	102300.00	34
35	5640.00	82340.00	3824.00	95330.00	616.00	97480.00	35
36	10190.00	79510.00	-17300.00	79600.00	17820.00	88220.00	36

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138
TGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
1	207000.00	11100.00	293300.00	195900.00	-4088.00	70070.00	1
2	288600.00	6528.00	300300.00	276800.00	-61.50	65160.00	2
3	317300.00	6528.00	323800.00	308100.00	385.00	29010.00	3
4	319200.00	15010.00	346800.00	301600.00	-2740.00	37490.00	4
5	302900.00	35240.00	341600.00	267700.00	-508.00	29010.00	5
6	325100.00	14360.00	344700.00	289900.00	9311.00	52220.00	6
7	322500.00	28720.00	379900.00	267700.00	11540.00	61580.00	7
8	224000.00	11100.00	242900.00	208900.00	824.00	80330.00	8
9	276200.00	18930.00	295100.00	253300.00	11540.00	97300.00	9
10	323200.00	24140.00	352500.00	295100.00	12420.00	99080.00	10
11	359700.00	37200.00	396900.00	296400.00	40100.00	141900.00	11
12	338200.00	52210.00	410000.00	232400.00	36090.00	186100.00	12
13	310100.00	34590.00	344700.00	272900.00	20460.00	118700.00	13
14	309400.00	22180.00	342100.00	287300.00	18220.00	96850.00	14
15	340600.00	33280.00	386400.00	301600.00	11090.00	128100.00	15
16	357700.00	33940.00	391700.00	275500.00	7520.00	122700.00	16
17	324500.00	43070.00	394300.00	250700.00	28050.00	143300.00	17
18	305500.00	31320.00	351200.00	244200.00	41880.00	139200.00	18
19	243100.00	35900.00	322900.00	236400.00	26260.00	162000.00	19
20	277500.00	34590.00	322500.00	219400.00	10190.00	150400.00	20
21	373400.00	49180.00	456900.00	227200.00	14210.00	133900.00	21
22	344000.00	33280.00	389100.00	304200.00	13320.00	103500.00	22
23	345100.00	48300.00	425600.00	296400.00	18670.00	100900.00	23
24	340800.00	36540.00	394300.00	302900.00	50370.00	145900.00	24
25	306800.00	24800.00	325600.00	265100.00	12870.00	84340.00	25
26	286000.00	45680.00	340800.00	240300.00	9304.00	94170.00	26
27	290500.00	33820.00	340800.00	250700.00	13770.00	118300.00	27
28	172400.00	23490.00	293700.00	138500.00	-512.00	100400.00	28
29	272900.00	53510.00	346000.00	167200.00	824.00	95510.00	29
30	239600.00	13700.00	257200.00	189400.00	3496.00	82120.00	30
31	225300.00	13700.00	259800.00	207600.00	-72.00	82120.00	31
32	252700.00	34590.00	319900.00	205000.00	7960.00	102600.00	32
33	283300.00	28720.00	312100.00	206300.00	-4088.00	132600.00	33
34	352500.00	26100.00	396900.00	312100.00	4840.00	95960.00	34
35	357700.00	31320.00	389100.00	286000.00	21790.00	100400.00	35
36	215500.00	23490.00	249000.00	-12930.00	-11220.00	71850.00	36

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138
TGW 20800 TGC 9.7 AFT FLIGHT DATE 08/30/77

EVENT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
1	-11180.00	63650.00	5724.00	65330.00	1
2	-6219.00	63210.00	9801.00	62150.00	2
3	-5309.00	27990.00	4817.00	29040.00	3
4	-12080.00	37470.00	-2897.00	29490.00	4
5	-343.00	30250.00	9807.00	31310.00	5
6	3268.00	48300.00	-174.50	47640.00	6
7	4171.00	53720.00	-3350.00	52630.00	7
8	-8476.00	73590.00	8442.00	73490.00	8
9	-2608.00	85780.00	5712.00	90740.00	9
10	3264.00	86220.00	2536.00	91190.00	10
11	20870.00	119200.00	2536.00	123000.00	11
12	11380.00	167500.00	4808.00	149700.00	12
13	-168.00	102500.00	7528.00	108900.00	13
14	7776.00	86220.00	3448.00	87560.00	14
15	5064.00	123200.00	-1992.00	113900.00	15
16	2360.00	117800.00	-6984.00	111600.00	16
17	11390.00	128700.00	-1544.00	125200.00	17
18	24030.00	116000.00	13880.00	115200.00	18
19	-2608.00	142700.00	272.00	124300.00	19
20	-4864.00	135900.00	1632.00	132900.00	20
21	2808.00	120100.00	-10170.00	123000.00	21
22	1456.00	93440.00	1184.00	91650.00	22
23	1000.00	90280.00	14340.00	92100.00	23
24	25830.00	125900.00	27040.00	115700.00	24
25	3712.00	76740.00	12530.00	75760.00	25
26	552.00	82620.00	8896.00	83940.00	26
27	1448.00	108800.00	-4264.00	127900.00	27
28	-12540.00	94800.00	5264.00	96640.00	28
29	-11180.00	90740.00	-2448.00	81660.00	29
30	-6664.00	77190.00	8896.00	80300.00	30
31	-11630.00	78540.00	7528.00	80760.00	31
32	-18410.00	91640.00	7528.00	89830.00	32
33	-13440.00	121900.00	-19700.00	132500.00	33
34	-10740.00	86670.00	2992.00	88930.00	34
35	8680.00	85320.00	2536.00	98460.00	35
36	-22400.00	73140.00	11620.00	77580.00	36

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138
TOW 2,800 TBCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
1	264.20	264.40	264.10	.98	.99	.97	1
2	264.30	264.40	264.10	1.00	1.01	.99	2
3	264.30	264.40	264.10	1.00	1.01	1.00	3
4	264.30	264.60	263.90	1.01	1.02	.98	4
5	264.30	264.90	263.70	1.01	1.06	.95	5
6	264.40	264.60	263.70	1.00	1.02	.98	6
7	264.30	264.60	263.70	1.00	1.02	.98	7
8	264.80	265.10	264.10	1.00	1.03	.98	8
9	264.70	264.90	264.10	1.03	1.08	1.01	9
10	264.30	264.40	263.90	1.00	1.06	.95	10
11	264.30	264.90	263.50	1.03	1.11	.81	11
12	264.50	266.00	263.50	.93	1.22	.87	12
13	264.70	265.10	264.10	1.12	1.20	.90	13
14	264.70	264.90	263.90	1.02	1.08	.92	14
15	263.90	264.40	263.10	1.11	1.29	1.00	15
16	264.20	264.60	263.30	1.00	1.30	.84	16
17	264.80	265.50	263.50	1.10	1.26	.94	17
18	264.20	265.10	262.80	1.05	1.25	.91	18
19	263.70	265.30	262.80	1.02	1.40	.94	19
20	265.80	267.20	263.30	1.10	1.50	.79	20
21	266.20	271.10	261.30	1.34	1.60	.85	21
22	264.10	264.40	263.70	1.02	1.09	.94	22
23	264.30	264.60	263.70	.95	1.05	.91	23
24	263.30	265.40	262.60	.98	1.07	.88	24
25	263.90	264.30	263.30	.96	1.02	.90	25
26	264.30	264.60	263.90	1.01	1.10	.96	26
27	263.80	265.30	262.40	1.00	1.08	.91	27
28	266.00	268.80	262.20	1.02	1.43	.75	28
29	266.70	270.40	262.60	1.22	1.62	.86	29
30	264.30	266.00	262.90	1.15	1.29	.95	30
31	263.80	265.60	262.60	1.16	1.33	1.00	31
32	263.70	265.80	262.20	1.15	1.54	.97	32
33	265.90	267.20	262.60	1.17	1.59	.85	33
34	264.60	265.10	262.60	1.13	1.17	.92	34
35	264.10	264.60	263.10	.93	1.15	.85	35
36	264.80	286.10	258.30	1.24	1.53	.79	36

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138
TGW 20800 TCG 9+7 AFT FLIGHT DATE 08/30/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
1	-.04	.12	-.21	.61	1.68	-.12	1
2	-.04	.12	-.21	.35	1.59	-.21	2
3	-.04	.12	-.21	.99	1.51	-.64	3
4	-.04	.12	-.21	.52	1.68	-.81	4
5	-.04	.12	-.21	.39	1.59	-.89	5
6	-.04	.12	-.21	.65	1.59	-.72	6
7	-.04	.12	-.21	.78	1.59	-.29	7
8	-.04	.12	-.21	.82	1.59	-.47	8
9	-.04	.12	-.21	.91	1.68	-.12	9
10	-.04	.12	-.21	.61	1.59	-.21	10
11	-.04	.12	-.21	.82	1.76	-.12	11
12	.04	.29	-.21	.61	1.85	-.29	12
13	-.04	.12	-.21	.86	1.68	-.12	13
14	-.04	.12	-.21	1.03	1.76	-.12	14
15	-.04	.12	-.21	.78	2.11	-.21	15
16	.04	7.40	-30.16	-2.27	-.55	-5.87	16
17	14.27	30.90	-5.34	-3.34	..47	-7.41	17
18	-17.75	10.88	-33.97	-2.74	..29	-7.93	18
19	2.94	37.36	-9.81	..12	.73	-5.18	19
20	-.46	1.11	-2.03	-3.47	7.17	-10.24	20
21	.95	1.78	..04	-2.48	-1.92	-5.44	21
22	-1.86	.45	-3.19	-4.97	-4.50	-6.21	22
23	.87	1.45	.12	-6.21	-5.52	-6.81	23
24	1.69	3.10	-1.04	-6.55	-5.18	-6.81	24
25	-2.11	.78	-2.86	-5.57	-5.10	-6.64	25
26	1.11	1.61	.78	-5.01	-2.87	-5.44	26
27	-.04	2.11	..71	-3.68	-2.52	-3.90	27
28	1.03	1.45	-1.20	-6.94	3.65	-13.24	28
29	.20	.78	-1.70	.05	.91	-1.41	29
30	6.91	33.05	-2.86	.73	5.36	-2.27	30
31	-18.17	3.43	-35.96	..47	2.62	-3.64	31
32	-31.74	2.77	-49.86	3.05	5.36	-2.10	32
33	22.30	49.60	..04	.13	4.77	-1.49	33
34	-1.70	1.11	-3.85	-9.94	2.19	-21.91	34
35	-.46	1.61	-1.86	-1.07	.65	-5.52	35
36	.04	14.69	-25.04	5.79	13.00	2.11	36

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AIRCRAFT SLP1 FLIGHT 139
TGW 20800 TBCG 9+7 AFT FLIGHT DATE 08/30/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	116100.00	9680.00	173600.00	106400.00	-56.00	78600.00	2
3	110300.00	10330.00	171000.00	99980.00	-2744.00	78600.00	3
4	132900.00	12260.00	216100.00	109000.00	-3184.00	81730.00	4
5	174100.00	10320.00	199400.00	87070.00	-3184.00	83520.00	5
6	137400.00	7744.00	145800.00	129700.00	-2744.00	74140.00	6
7	103900.00	12910.00	186400.00	90940.00	-2736.00	81280.00	7
8	146400.00	10980.00	185200.00	72880.00	-7208.00	83060.00	8
9	145800.00	7296.00	145800.00	138700.00	-3632.00	75020.00	9
10	211600.00	32310.00	244500.00	146400.00	-7200.00	92900.00	10
11	143200.00	10980.00	174800.00	125800.00	-1400.00	74580.00	11
12	149000.00	12910.00	147100.00	36750.00	-4408.00	77700.00	12
13	240700.00	12910.00	240000.00	227700.00	3950.00	72790.00	13
14	188400.00	9680.00	205800.00	132200.00	840.00	74140.00	14
15	192900.00	14200.00	243900.00	178700.00	832.00	80380.00	15
16	185800.00	10980.00	21300.00	158100.00	-952.00	78600.00	16
17	187700.00	14190.00	216100.00	147700.00	3512.00	75930.00	17
18	241300.00	14840.00	256100.00	183900.00	1280.00	75470.00	18
19	174800.00	27100.00	253600.00	137400.00	1728.00	76820.00	19
20	212300.00	9032.00	21300.00	203200.00	-512.00	71900.00	20
21	214800.00	9032.00	225200.00	201900.00	3950.00	79050.00	21
22	147100.00	14200.00	182600.00	152900.00	3512.00	75030.00	22
23	180600.00	14840.00	195500.00	165800.00	840.00	69670.00	23
24	157400.00	17420.00	182600.00	124500.00	2624.00	71460.00	24
25	201900.00	14200.00	216100.00	169700.00	332.00	63330.00	25
26	205200.00	14840.00	220000.00	174800.00	2168.00	73690.00	26
27	174800.00	13550.00	204500.00	163200.00	-1400.00	96020.00	27
28	118100.00	6456.00	131000.00	111600.00	1238.00	63870.00	28
29	70310.00	7743.00	96110.00	62560.00	2131.00	62080.00	29
30	58040.00	8388.00	71580.00	31590.00	841.00	53590.00	30
31	-13580.00	9034.00	41910.00	-22620.00	7034.00	57170.00	31
32	-14870.00	3872.00	-11000.00	-20040.00	3958.00	43570.00	32
33	-18740.00	6453.00	-3257.00	-26490.00	3968.00	52250.00	33
34	-14870.00	9035.00	7068.00	-31650.00	5308.00	53950.00	34
35	-35520.00	10330.00	71580.00	-45850.00	-5412.00	58950.00	35
36	-24550.00	10970.00	1905.00	-35520.00	-52.00	54490.00	36
37	-9710.00	10330.00	415.00	-29070.00	841.00	45550.00	37
38	-14870.00	12910.00	5777.00	-27780.00	334.50	45110.00	38
39	-4548.00	12910.00	8358.00	-32940.00	8880.00	52700.00	39
40	-5193.00	13550.00	9649.00	-18740.00	4861.00	50470.00	40
41	-18740.00	9034.00	94820.00	-44560.00	8878.00	65200.00	41
42	153500.00	8392.00	177400.00	128400.00	-4080.00	71010.00	42
43	127100.00	10320.00	147700.00	111600.00	4858.00	69220.00	43
44	172600.00	11420.00	198100.00	151600.00	-11670.00	63420.00	44
45	132900.00	21300.00	198100.00	78050.00	3960.00	77260.00	45
46	190300.00	25820.00	225200.00	-9710.00	1280.00	77260.00	46
47	178700.00	18070.00	196800.00	30300.00	-56.00	75030.00	47
48	143900.00	15430.00	159300.00	19970.00	4408.00	73240.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT 41200SDY 41200ALT 41200MAX +1200MIN 41160SDY 41160ALT EVENT
49 236100.00 21300.00 257400.00 -27780.00 5304.00 74140.00 49

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	7448.00	78730.00	-13310.00	89980.00	-3680.00	92990.00	2
3	8816.00	78270.00	-16910.00	89980.00	-2352.00	94320.00	3
4	9272.00	83290.00	-15550.00	94030.00	-1472.00	98720.00	4
5	8360.00	83290.00	-13760.00	96740.00	-1032.00	96520.00	5
6	7448.00	74180.00	-14210.00	84590.00	-3672.00	86820.00	6
7	10640.00	81920.00	-15550.00	93140.00	-152.00	95640.00	7
8	11540.00	84650.00	-20360.00	97630.00	296.00	101400.00	8
9	5632.00	75090.00	-16010.00	85480.00	-4552.00	87700.00	9
10	6088.00	90100.00	-16010.00	108900.00	-4112.00	107500.00	10
11	12460.00	70990.00	-11960.00	85030.00	2056.00	83740.00	11
12	16100.00	73720.00	-3808.00	90890.00	8664.00	87700.00	12
13	7907.00	70080.00	-4312.00	83690.00	2936.00	80220.00	13
14	10640.00	72810.00	-15560.00	86840.00	2936.00	88150.00	14
15	9720.00	76460.00	-6560.00	92240.00	3376.00	88590.00	15
16	8360.00	76010.00	-6560.00	90430.00	5144.00	86820.00	16
17	9277.00	74180.00	-4760.00	86840.00	2936.00	84620.00	17
18	10640.00	70990.00	-4760.00	86840.00	-152.00	83300.00	18
19	7451.00	69620.00	-3808.00	89990.00	-2792.00	84180.00	19
20	11090.00	69630.00	-9256.00	84140.00	3376.00	84180.00	20
21	2440.00	76460.00	-3864.00	88630.00	-2352.00	86380.00	21
22	1536.00	77360.00	-2512.00	87280.00	-5440.00	87710.00	22
23	13820.00	74180.00	-6552.00	80540.00	11300.00	85060.00	23
24	8816.00	68260.00	-4760.00	83240.00	1608.00	78010.00	24
25	8817.00	69170.00	-9712.00	78290.00	4696.00	82860.00	25
26	5168.00	72820.00	-4752.00	85940.00	-5000.00	89910.00	26
27	8816.00	126500.00	-5208.00	104400.00	6464.00	136600.00	27
28	9728.00	60980.00	-6560.00	72430.00	2056.00	71400.00	28
29	8368.00	59420.00	-3856.00	70640.00	728.00	69190.00	29
30	7003.00	55520.00	-8806.00	64790.00	-2349.00	67880.00	30
31	10190.00	55070.00	-4307.00	65690.00	-1025.00	63910.00	31
32	7458.00	48700.00	-7452.00	54440.00	-584.00	52890.00	32
33	7913.00	50660.00	-7451.00	58040.00	-17780.00	58620.00	33
34	11100.00	56890.00	-6109.00	66600.00	-11170.00	63470.00	34
35	3815.00	62350.00	-19150.00	70640.00	-8968.00	77130.00	35
36	7907.00	62800.00	-20950.00	68840.00	-7208.00	77130.00	36
37	12010.00	53250.00	-14200.00	52200.00	-1471.00	64350.00	37
38	2907.00	45050.00	-11510.00	54900.00	-9405.00	56420.00	38
39	13830.00	46870.00	-702.50	61190.00	2061.00	56410.00	39
40	11100.00	48700.00	-11060.00	58050.00	-1025.00	63910.00	40
41	7911.00	66440.00	-2960.00	76030.00	-3672.00	78010.00	41
42	10180.00	68710.00	-14210.00	81890.00	1176.00	83740.00	42
43	10640.00	66440.00	-4312.00	80090.00	5584.00	75810.00	43
44	8368.00	67810.00	-23650.00	76040.00	-1472.00	84620.00	44
45	7456.00	76910.00	-4304.00	89980.00	2928.00	87260.00	45
46	4720.00	79650.00	-7912.00	87290.00	1168.00	87260.00	46
47	10640.00	75540.00	-12410.00	84580.00	728.00	84180.00	47
48	10640.00	73730.00	-8360.00	81430.00	-1032.00	80650.00	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
T8GW 20800 T8CG 9.7 AFT FLIGHT DATE 08/30/77

EVENT 41170SDY 41170ALT 41870SDY 41870ALT 41880SDY 41880ALT EVENT

49 4992.00 78270.00 -3408.00 81890.00 -2352.00 85500.00 49

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TOWH 20800 TBCG 9+7 AFT FLIGHT DATE 08/30/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	251400.00	16320.00	270400.00	201200.00	2216.00	108500.00	2
3	241000.00	16320.00	261200.00	209000.00	432.00	90660.00	3
4	220100.00	22850.00	320000.00	164600.00	7576.00	138900.00	4
5	319300.00	18930.00	338200.00	145000.00	4448.00	95570.00	5
6	299000.00	10450.00	257300.00	227300.00	432.00	83500.00	6
7	206400.00	14370.00	258600.00	192000.00	2664.00	106300.00	7
8	200500.00	20240.00	257300.00	180300.00	-6712.00	122800.00	8
9	227300.00	15670.00	242900.00	211600.00	1328.00	80830.00	9
10	293800.00	47000.00	340800.00	223400.00	-4480.00	103600.00	10
11	285400.00	15020.00	318700.00	267700.00	880.00	75020.00	11
12	301000.00	17620.00	318700.00	179000.00	4451.00	68770.00	12
13	293900.00	18270.00	316000.00	275600.00	11150.00	95120.00	13
14	249500.00	16370.00	246400.00	189400.00	12940.00	120100.00	14
15	309500.00	19580.00	329100.00	249500.00	17850.00	131300.00	15
16	260600.00	18930.00	284700.00	214200.00	6680.00	128200.00	16
17	254000.00	18930.00	276900.00	186800.00	24930.00	125000.00	17
18	323200.00	20240.00	343500.00	233800.00	24540.00	115700.00	18
19	362400.00	25460.00	387900.00	193300.00	23660.00	139800.00	19
20	249700.00	16320.00	289900.00	253400.00	3112.00	88870.00	20
21	262500.00	13060.00	279500.00	240300.00	11150.00	91550.00	21
22	223400.00	13060.00	242900.00	209000.00	10700.00	86640.00	22
23	223400.00	15660.00	252100.00	207700.00	4000.00	84400.00	23
24	235800.00	17620.00	274300.00	218100.00	5732.00	88860.00	24
25	227300.00	22200.00	249500.00	205100.00	-464.00	79940.00	25
26	218100.00	20890.00	250800.00	197200.00	1768.00	89320.00	26
27	239000.00	18270.00	257300.00	220800.00	-2636.00	99140.00	27
28	148500.00	10440.00	186800.00	154200.00	-16.00	72350.00	28
29	115600.00	12400.00	138500.00	103200.00	-3144.00	77260.00	29
30	82350.00	13060.00	116300.00	65390.00	-10280.00	74580.00	30
31	18400.00	14360.00	75820.00	-22080.00	-11630.00	70570.00	31
32	17090.00	27420.00	44510.00	-11630.00	-6263.00	63420.00	32
33	5993.00	13710.00	23620.00	-14240.00	-4926.00	66550.00	33
34	-1841.00	13710.00	30150.00	-19470.00	-6263.00	53420.00	34
35	-5105.00	15670.00	92800.00	-23380.00	-7160.00	78600.00	35
36	13830.00	20240.00	34060.00	-12940.00	-4040.00	82620.00	36
37	31440.00	37850.00	69300.00	-16850.00	-8493.00	53400.00	37
38	10560.00	26110.00	36670.00	-19470.00	-15640.00	64760.00	38
39	-10330.00	22190.00	26230.00	-32520.00	1768.00	71450.00	39
40	-13590.00	15010.00	2729.00	-31220.00	-8947.00	63420.00	40
41	23620.00	16970.00	139800.00	-16850.00	-10290.00	79940.00	41
42	249000.00	14360.00	283400.00	232500.00	-2248.00	76360.00	42
43	248200.00	14370.00	263800.00	219400.00	6691.00	58500.00	43
44	245800.00	15020.00	310800.00	253400.00	4000.00	84400.00	44
45	235800.00	22850.00	321300.00	212900.00	-16.00	76820.00	45
46	107800.00	21540.00	357800.00	62780.00	2216.00	84410.00	46
47	338900.00	13710.00	352600.00	87580.00	-8944.00	79490.00	47
48	315400.00	16320.00	325600.00	92800.00	830.00	79490.00	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
49	251400.00	21540.00	357800.00	28840.00	9808.00	75920.00	49

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TGW 20800 TBCR 9.7 AFT FLIGHT DATE 08/30/77

EVENT	49170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-7520.00	116700.00	-9384.00	96220.00	2552.00	106700.00	2
3	-5408.00	96060.00	-9384.00	80860.00	3912.00	86250.00	3
4	-18900.00	136500.00	-13450.00	125600.00	-8800.00	122600.00	4
5	-6256.00	97740.00	-14350.00	85820.00	1640.00	88520.00	5
6	-1624.00	88900.00	-10290.00	73630.00	8456.00	78980.00	6
7	-10890.00	106600.00	-8936.00	94860.00	280.00	94420.00	7
8	-12580.00	123500.00	-20680.00	113800.00	-2896.00	109400.00	8
9	-2048.00	85950.00	-11640.00	71370.00	9360.00	75360.00	9
10	-12150.00	102800.00	-11650.00	92140.00	-5160.00	89880.00	10
11	3016.00	81740.00	-12090.00	76340.00	12080.00	78080.00	11
12	2168.00	69100.00	-5769.00	62790.00	9820.00	60370.00	12
13	-6256.00	99440.00	1456.00	82660.00	280.00	89880.00	13
14	-17210.00	109500.00	7776.00	115200.00	3000.00	99860.00	14
15	-12160.00	123900.00	552.00	108000.00	-4712.00	113000.00	15
16	-6680.00	125100.00	-808.00	120200.00	-8792.00	107100.00	16
17	-7936.00	113800.00	5520.00	103000.00	280.00	105300.00	17
18	-7520.00	109100.00	6880.00	98020.00	-624.00	98960.00	18
19	-5416.00	131400.00	2352.00	115200.00	-176.00	107600.00	19
20	-1200.00	96060.00	-7128.00	78600.00	736.00	86700.00	20
21	-3304.00	93110.00	3264.00	82660.00	1640.00	84890.00	21
22	-2040.00	90170.00	2360.00	79050.00	7096.00	81260.00	22
23	912.00	84690.00	-8032.00	75890.00	6184.00	76710.00	23
24	-3304.00	93960.00	-5776.00	79950.00	3008.00	87150.00	24
25	64.00	85540.00	-10730.00	72270.00	7088.00	79440.00	25
26	-5840.00	94800.00	-12100.00	79950.00	2552.00	87610.00	26
27	8488.00	113300.00	-8480.00	86270.00	20700.00	106700.00	27
28	3432.00	77940.00	-13900.00	66400.00	11180.00	69000.00	28
29	3432.00	78790.00	-18860.00	72270.00	11630.00	73990.00	29
30	3440.00	79630.00	-20220.00	73630.00	13450.00	76710.00	30
31	11450.00	71630.00	-22480.00	78600.00	20260.00	78080.00	31
32	16500.00	58140.00	-20220.00	66400.00	21170.00	67180.00	32
33	14390.00	61930.00	-21130.00	69110.00	19800.00	70360.00	33
34	11860.00	61930.00	-20230.00	69120.00	18450.00	69910.00	34
35	4808.00	80470.00	-23390.00	82210.00	16170.00	82170.00	35
36	6384.00	73310.00	-14360.00	83110.00	17990.00	82160.00	36
37	10600.00	59830.00	-21130.00	64600.00	16180.00	64910.00	37
38	913.50	64460.00	-28350.00	73630.00	5272.00	73080.00	38
39	13130.00	65720.00	-11190.00	70920.00	11180.00	69000.00	39
40	3860.00	65720.00	-19320.00	68210.00	12090.00	75350.00	40
41	5960.00	80470.00	-20220.00	84470.00	14350.00	83980.00	41
42	-784.00	79630.00	-8031.00	69570.00	3454.00	73990.00	42
43	2599.00	60250.00	-1248.00	54660.00	9821.00	52200.00	43
44	3856.00	85950.00	-3960.00	75430.00	8448.00	77170.00	44
45	5120.00	81310.00	-14800.00	76340.00	12090.00	76260.00	45
46	13970.00	84270.00	-6680.00	80860.00	20710.00	78520.00	46
47	3432.00	83000.00	-15710.00	76340.00	11630.00	78530.00	47
48	11440.00	80900.00	-9836.00	74080.00	18900.00	75810.00	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139

TGOW 20800 TBCR 9.7 AFT FLIGHT DATE 08/30/77

EVENT	49170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
49	488.00	72470.00	422030.00	70020.00	9815.00	72170.00	49

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TGW 2800 TBCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.80	265.30	262.80	1.17	1.20	1.00	2
3	264.80	265.80	262.80	1.06	1.20	.94	3
4	266.50	267.20	262.20	1.26	1.28	.98	4
5	262.80	265.40	262.40	1.17	1.29	.99	5
6	263.40	263.70	262.60	1.01	1.04	.92	6
7	263.10	266.60	262.00	1.11	1.30	.84	7
8	264.70	267.60	261.40	.88	1.35	.74	8
9	265.30	268.80	265.10	1.02	1.03	.93	9
10	266.60	268.40	264.90	1.07	1.21	.92	10
11	264.00	264.10	263.30	1.06	1.11	1.05	11
12	264.10	266.40	262.90	1.07	1.17	.89	12
13	263.80	264.10	263.50	.98	1.02	.97	13
14	266.50	266.60	262.90	1.11	1.20	.93	14
15	263.00	264.60	262.80	.98	1.18	.94	15
16	264.10	264.90	263.30	1.06	1.19	.99	16
17	264.70	266.00	263.90	1.11	1.15	.88	17
18	263.00	267.60	262.20	1.23	1.29	.89	18
19	264.00	271.80	262.80	1.31	1.44	.89	19
20	263.80	264.10	263.70	.99	1.00	.98	20
21	264.00	264.40	263.90	1.05	1.06	.96	21
22	264.20	264.30	263.50	1.00	1.03	.99	22
23	263.50	264.10	263.30	.96	1.00	.95	23
24	264.10	264.60	263.70	1.06	1.10	1.00	24
25	262.80	263.90	262.60	1.00	1.03	.92	25
26	262.90	264.30	262.80	1.04	1.08	1.00	26
27	263.40	264.10	263.30	1.00	1.01	.95	27
28	263.80	264.60	263.70	.91	.94	.89	28
29	265.20	265.60	264.90	.99	1.06	.97	29
30	261.70	264.40	261.30	1.01	1.07	.94	30
31	277.70	278.20	265.10	.90	1.14	.85	31
32	283.40	284.10	283.40	1.02	1.04	1.00	32
33	277.00	286.90	271.10	1.06	1.12	.97	33
34	282.80	286.50	262.20	.91	1.31	.85	34
35	267.90	283.40	255.00	1.41	1.45	.67	35
36	273.00	280.30	265.30	1.41	1.52	.94	36
37	285.30	286.90	281.80	.98	1.06	.96	37
38	273.20	273.60	270.40	.94	.96	.85	38
39	272.70	276.30	272.40	1.00	1.05	.96	39
40	274.90	275.30	273.00	1.03	1.13	.96	40
41	274.50	281.20	258.30	1.40	1.54	1.00	41
42	263.40	264.40	263.30	1.12	1.19	1.03	42
43	264.80	264.90	263.90	1.10	1.11	.92	43
44	263.00	264.10	262.80	1.11	1.23	1.07	44
45	265.70	266.00	262.20	1.23	1.30	1.01	45
46	264.00	266.60	261.60	1.01	1.10	.94	46
47	264.80	266.00	261.40	.99	1.10	.96	47
48	264.00	265.40	261.10	1.05	1.09	1.00	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TGW 2,800 TCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
.9	263.90	269.80	259.40	1.08	1.11	.94	.9

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TSGW 20800 TACG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	14.04	31.13	-.39	3.51	3.85	-3.18	2
3	-7.56	-3.22	-31.41	-.56	4.88	-2.23	3
4	21.46	39.97	2.45	-4.72	3.51	-9.00	4
5	-12.98	.11	-39.25	3.76	6.93	-5.57	5
6	-.72	-.55	-1.72	2.05	3.25	-.78	6
7	-1.22	-.55	-2.39	.85	10.45	-10.11	7
8	-.05	1.11	-1.39	-7.50	6.85	-15.51	8
9	-.39	.11	-.55	-2.27	-2.06	-3.35	9
10	-.72	-.55	-1.22	-3.13	-.78	-3.43	10
11	-15.15	.61	-26.57	4.75	11.05	1.36	11
12	9.95	26.96	2.45	9.20	14.73	-.01	12
13	-.64	.11	-1.22	-3.65	-3.18	-3.86	13
14	-20.65	-7.89	-23.40	1.32	2.91	-4.12	14
15	26.88	27.96	18.62	-4.12	.25	-6.52	15
16	9.28	28.63	3.61	-1.72	1.79	-4.37	16
17	-1.22	-.72	-1.72	-2.40	.34	-2.83	17
18	-.55	.61	-.72	-2.92	-2.57	-4.20	18
19	.86	1.11	-1.06	-1.08	-.52	-3.52	19
20	-4.39	-1.39	-4.89	-3.09	-2.75	-3.60	20
21	.95	1.61	-1.72	-4.46	-4.20	-6.69	21
22	-1.22	-.22	-2.22	-1.42	-1.29	-1.72	22
23	.36	1.45	-.22	-2.53	-2.40	-3.35	23
24	.53	.78	.11	-2.79	-.78	-2.92	24
25	-1.89	-1.39	-3.39	-2.96	-2.83	-4.20	25
26	-.05	.61	-.89	-2.27	-1.98	-2.83	26
27	-1.47	-.55	-1.72	-3.22	-2.57	-3.35	27
28	-.39	.11	-.72	-3.05	-2.83	-4.37	28
29	-.05	.28	-.22	-.78	.68	-2.06	29
30	-2.56	-2.39	-2.89	-1.63	-1.03	-2.83	30
31	3.03	3.61	-4.72	1.32	3.08	-1.29	31
32	1.53	6.28	-.55	3.08	3.16	2.82	32
33	4.28	27.13	-3.22	-2.45	2.31	-4.29	33
34	-18.15	-8.06	-36.25	1.84	5.14	-7.46	34
35	-.05	3.95	-2.56	1.15	8.73	-6.09	35
36	-1.72	-1.06	-2.22	4.79	4.88	3.34	36
37	-3.31	-1.56	-3.56	2.82	3.68	2.56	37
38	-1.72	-1.56	-2.22	-1.76	-1.12	-3.09	38
39	-.64	1.78	-.89	-1.16	-.43	-1.29	39
40	1.11	1.45	.11	.12	.42	-.26	40
41	11.95	46.30	4.45	-.26	3.68	-9.17	41
42	-15.40	3.78	-29.91	6.08	10.87	3.42	42
43	7.12	27.96	6.62	8.05	10.36	4.62	43
44	-11.14	-9.06	-41.91	5.61	10.36	3.16	44
45	20.88	39.47	-.55	10.19	13.61	2.56	45
46	-.106	.95	-3.39	1.19	6.51	.59	46
47	-1.14	1.95	-1.39	9.29	13.36	-.26	47
48	.28	1.28	-.55	13.91	16.95	6.59	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TOW 20800 TBCG 9+7 AFT FLIGHT DATE 08/30/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
49	-1.80	4.45	-2.56	11.94	20.46	3.68	49

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140
TOW 24300 TBCG 4+4 FWD FLIGHT DATE 08/31/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
1	289100.00	16130.00	319500.00	266600.00	1542.00	45120.00	1
2	289800.00	20640.00	332400.00	256200.00	-6499.00	58520.00	2
3	275600.00	23220.00	328500.00	245900.00	-3372.00	55390.00	3
4	293600.00	15490.00	309100.00	276900.00	-11410.00	44670.00	4
5	292400.00	18060.00	313000.00	267800.00	-2479.00	50030.00	5
6	281400.00	66450.00	345900.00	205900.00	-691.50	53610.00	6
7	340700.00	38060.00	378800.00	254900.00	-9184.00	62990.00	7
8	276900.00	20640.00	328800.00	252400.00	-5168.00	111700.00	8
9	302700.00	19350.00	323600.00	248500.00	-8744.00	98280.00	9
10	86580.00	7096.00	94960.00	75620.00	649.00	38870.00	10
11	125900.00	6456.00	122400.00	111700.00	-1138.00	62990.00	11
12	120800.00	7744.00	145300.00	101400.00	-4265.00	58070.00	12
13	320100.00	22580.00	346500.00	132400.00	1095.00	33950.00	13
14	288500.00	23220.00	358200.00	253600.00	202.00	56290.00	14
15	245300.00	18700.00	273000.00	196900.00	6455.00	63430.00	15
16	192400.00	25160.00	248500.00	158200.00	648.50	36180.00	16
17	207900.00	16130.00	225300.00	168500.00	-1139.00	31720.00	17
18	189800.00	20000.00	235600.00	144000.00	-245.00	42440.00	18
19	171100.00	19350.00	214900.00	141400.00	-245.00	30820.00	19
20	189100.00	19350.00	226600.00	159500.00	-245.00	35290.00	20
21	182700.00	24510.00	214900.00	154300.00	-1139.00	31720.00	21
22	248500.00	24510.00	324900.00	146600.00	-10970.00	37080.00	22
23	289800.00	16770.00	320700.00	264000.00	-5606.00	52270.00	23
24	294900.00	21930.00	319500.00	257500.00	-3819.00	58520.00	24
25	251700.00	23860.00	328500.00	226600.00	-3375.00	62550.00	25
26	233000.00	18060.00	288500.00	200800.00	-696.00	75940.00	26
27	206600.00	16130.00	247200.00	176200.00	7344.00	76830.00	27
28	187200.00	13540.00	207200.00	163300.00	6896.00	74610.00	28
29	175000.00	10320.00	199500.00	155600.00	3320.00	77290.00	29
30	175000.00	9032.00	194300.00	162000.00	6000.00	71920.00	30
31	320400.00	22580.00	358200.00	113000.00	7784.00	87110.00	31
32	324500.00	14830.00	341400.00	280800.00	-6946.00	38420.00	32
33	309800.00	14830.00	344000.00	289800.00	-5159.00	37530.00	33
34	333600.00	16780.00	359400.00	294900.00	-5606.00	38870.00	34
35	320400.00	18700.00	359400.00	298800.00	-12310.00	38420.00	35
36	320100.00	21290.00	345900.00	293600.00	-9626.00	39310.00	36
37	321700.00	19990.00	342000.00	304000.00	1543.00	37970.00	37
38	325600.00	23860.00	377500.00	261400.00	5116.00	52270.00	38
39	294300.00	38060.00	322400.00	47240.00	-2936.00	86220.00	39
40	223300.00	38060.00	278200.00	42080.00	1984.00	88450.00	40
41	220400.00	29670.00	275600.00	31760.00	4216.00	84420.00	41
42	12400.00	15480.00	144000.00	-21140.00	-2040.00	74600.00	42
43	294900.00	17420.00	324900.00	222700.00	201.50	44670.00	43
44	148500.00	26450.00	242700.00	94960.00	3776.00	44670.00	44
45	92380.00	9024.00	102700.00	71740.00	14040.00	93370.00	45
46	102700.00	7744.00	116900.00	71740.00	13140.00	92470.00	46

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140
TODAY 24300 TBCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41380SDY	41880ALT	EVENT
1	5446.00	46450.00	-695.50	51290.00	2922.00	54640.00	1
2	-2752.00	56470.00	-4299.00	67490.00	-5391.00	55210.00	2
3	1348.00	50550.00	-5197.00	63890.00	-1044.00	61250.00	3
4	-19.00	46450.00	-16900.00	54900.00	-2807.00	55960.00	4
5	-3663.00	52830.00	-245.50	57140.00	-1048.00	64780.00	5
6	-5484.00	51920.00	-10600.00	63900.00	-16030.00	65650.00	6
7	2714.00	53210.00	-14650.00	74250.00	-2816.00	70060.00	7
8	5432.00	109300.00	-14200.00	130500.00	-608.00	126000.00	8
9	-10500.00	101600.00	-13300.00	112500.00	-19110.00	117200.00	9
10	3625.00	37350.00	-3395.00	43190.00	-3247.00	41420.00	10
11	-5030.00	63310.00	-3400.00	70180.00	-8979.00	68300.00	11
12	892.00	59210.00	-9697.00	62990.00	-7219.00	66540.00	12
13	4080.00	35980.00	-1595.00	47690.00	-3247.00	52880.00	13
14	10450.00	56010.00	-7000.00	71990.00	264.00	74020.00	14
15	5443.00	62850.00	5602.00	71090.00	1152.00	76670.00	15
16	892.00	39170.00	-6095.00	48590.00	-1925.00	50670.00	16
17	4080.00	35980.00	2304.00	45890.00	3363.00	48910.00	17
18	891.50	47360.00	-2495.00	54890.00	-1926.00	58600.00	18
19	8634.00	34160.00	-2046.00	45440.00	6447.00	49350.00	19
20	436.50	37800.00	-4295.00	47690.00	-603.50	51110.00	20
21	5446.00	32790.00	-695.50	44990.00	2041.00	46710.00	21
22	9545.00	41440.00	-245.50	52640.00	7328.00	54640.00	22
23	-5484.00	52830.00	-12390.00	61190.00	-15590.00	62570.00	23
24	-9584.00	57840.00	-6104.00	71990.00	-22200.00	69180.00	24
25	-2752.00	61030.00	-6104.00	75590.00	-13390.00	71830.00	25
26	-6402.00	71050.00	-6552.00	85930.00	-16910.00	80640.00	26
27	-3208.00	76060.00	5592.00	90890.00	-13390.00	92980.00	27
28	-9136.00	76510.00	5144.00	90440.00	-16910.00	93860.00	28
29	-13690.00	75610.00	-704.00	94480.00	-26170.00	92540.00	29
30	-6944.00	73320.00	1992.00	88180.00	-16040.00	90330.00	30
31	-2304.00	86990.00	2896.00	102600.00	-8104.00	103500.00	31
32	2258.00	40530.00	-11940.00	48140.00	-3247.00	52880.00	32
33	-19.00	38260.00	-15090.00	46790.00	-4569.00	50670.00	33
34	7723.00	42360.00	-17340.00	47240.00	718.50	53320.00	34
35	6813.00	43270.00	-18690.00	45890.00	2922.00	53760.00	35
36	2258.00	42360.00	-15090.00	46790.00	3363.00	52430.00	36
37	5446.00	40080.00	-3845.00	43640.00	718.50	45380.00	37
38	436.50	56020.00	2454.00	62540.00	-7219.00	67420.00	38
39	9080.00	83800.00	-13750.00	99430.00	4680.00	94300.00	39
40	9992.00	87450.00	-12850.00	102100.00	-1048.00	100000.00	40
41	12270.00	81520.00	-6552.00	96730.00	-2808.00	100000.00	41
42	9536.00	75150.00	-3856.00	85940.00	-3256.00	94300.00	42
43	5902.00	43270.00	-1145.00	53540.00	-3688.00	54200.00	43
44	-19.00	48280.00	-695.00	53090.00	-8096.00	60370.00	44
45	-12330.00	87900.00	-256.00	101200.00	-23520.00	90770.00	45
46	-2760.00	82890.00	1992.00	98980.00	-10750.00	85040.00	46

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140
TGW 24300 TBCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
1	315500.00	11600.00	394800.00	296100.00	1634.00	31970.00	1
2	312900.00	18040.00	343800.00	265200.00	4298.00	38190.00	2
3	305800.00	22540.00	341200.00	270400.00	4743.00	43960.00	3
4	314800.00	10310.00	327100.00	301300.00	7851.00	33750.00	4
5	314800.00	12890.00	320900.00	298700.00	2078.00	40410.00	5
6	339300.00	63780.00	413400.00	267800.00	-1475.00	33300.00	6
7	294400.00	24150.00	374800.00	253600.00	11850.00	72380.00	7
8	294200.00	19980.00	342500.00	251100.00	9176.00	90140.00	8
9	327100.00	18030.00	345100.00	251100.00	7848.00	94140.00	9
10	106700.00	12880.00	119600.00	83540.00	2522.00	21310.00	10
11	111200.00	7088.00	118300.00	99010.00	2966.00	30640.00	11
12	93850.00	10310.00	117000.00	78380.00	2966.00	37740.00	12
13	229800.00	41880.00	358000.00	118300.00	29600.00	62610.00	13
14	258800.00	21900.00	309000.00	216300.00	2078.00	33300.00	14
15	224600.00	20620.00	254900.00	204700.00	1190.00	43960.00	15
16	196300.00	17390.00	239500.00	162100.00	7402.00	61720.00	16
17	204700.00	11590.00	216300.00	177600.00	8739.00	57730.00	17
18	222700.00	36080.00	258800.00	151800.00	4298.00	60390.00	18
19	193700.00	16110.00	216300.00	150500.00	8734.00	62160.00	19
20	190500.00	14170.00	226600.00	162100.00	5182.00	60390.00	20
21	182100.00	17390.00	203400.00	153100.00	3854.00	55510.00	21
22	214500.00	21260.00	318000.00	131200.00	3854.00	62610.00	22
23	300700.00	14820.00	323500.00	273000.00	6519.00	34190.00	23
24	292300.00	12890.00	323200.00	270400.00	5630.00	27980.00	24
25	312300.00	14820.00	327100.00	260100.00	-1919.00	32860.00	25
26	291600.00	12240.00	310300.00	244600.00	6963.00	27530.00	26
27	234300.00	20620.00	284500.00	198200.00	5630.00	29750.00	27
28	208500.00	16750.00	293000.00	178900.00	4298.00	22200.00	28
29	194400.00	11600.00	216300.00	169900.00	1634.00	21310.00	29
30	189800.00	10950.00	203800.00	177600.00	2522.00	18650.00	30
31	191800.00	19330.00	356700.00	123500.00	-3251.00	33300.00	31
32	249100.00	16750.00	303900.00	239500.00	7407.00	31530.00	32
33	256800.00	17390.00	288400.00	224000.00	4298.00	31970.00	33
34	240100.00	19970.00	280700.00	204700.00	2078.00	47510.00	34
35	211800.00	19980.00	247200.00	185300.00	4742.00	48400.00	35
36	213700.00	25780.00	274200.00	166000.00	4742.00	51950.00	36
37	184000.00	18040.00	203500.00	151800.00	3855.00	43960.00	37
38	249100.00	23840.00	298700.00	135100.00	8235.00	47510.00	38
39	314800.00	27060.00	408200.00	169900.00	4288.00	93250.00	39
40	390900.00	22550.00	424000.00	209800.00	8728.00	95910.00	40
41	288400.00	23200.00	377300.00	122200.00	296.00	84810.00	41
42	104800.00	34140.00	387600.00	52630.00	9176.00	83030.00	42
43	301300.00	20620.00	358000.00	256200.00	2967.00	35080.00	43
44	133800.00	29630.00	293600.00	79680.00	6075.00	34640.00	44
45	95140.00	7728.00	104200.00	70660.00	4742.00	29750.00	45
46	88700.00	9016.00	108000.00	62930.00	6962.00	29310.00	46

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140
T6GH 24300 T6CG 4+4 FWD FLIGHT DATE 08/31/77

EVENT	49170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
1	-9537.00	32210.00	-8535.00	33320.00	-6096.00	33010.00	1
2	-4493.00	36580.00	-3132.00	36920.00	-6096.00	32110.00	2
3	-9958.00	35520.00	-1331.00	44130.00	-7453.00	37990.00	3
4	-9957.00	31950.00	-4524.00	31970.00	-11070.00	29850.00	4
5	-1550.00	34470.00	-9886.00	37370.00	9281.00	32110.00	5
6	-10380.00	31530.00	-6734.00	34220.00	-11520.00	32110.00	6
7	-13750.00	72730.00	2271.00	63940.00	-8813.00	64680.00	7
8	-12910.00	90380.00	4064.00	80140.00	-7464.00	77780.00	8
9	-13750.00	91220.00	-1792.00	82400.00	-2480.00	78240.00	9
10	-3231.00	22700.00	-8084.00	16660.00	7472.00	18540.00	10
11	-4913.00	31110.00	-3582.00	22960.00	5211.00	25330.00	11
12	-2811.00	37420.00	-6734.00	29720.00	5663.00	30300.00	12
13	-6594.00	42040.00	6325.00	42780.00	17420.00	39350.00	13
14	-7015.00	33210.00	-7634.00	36920.00	4759.00	32110.00	14
15	-4072.00	49610.00	-10340.00	40520.00	5663.00	42060.00	15
16	-2811.00	58440.00	-4032.00	57640.00	4759.00	52910.00	16
17	-1550.00	56330.00	-2681.00	53580.00	4306.00	48840.00	17
18	-1550.00	56330.00	-5833.00	56730.00	6115.00	50650.00	18
19	-3651.00	57600.00	-10340.00	59440.00	8377.00	54720.00	19
20	-4072.00	55490.00	-5383.00	56280.00	3854.00	50200.00	20
21	-3652.00	54230.00	-9886.00	52680.00	5663.00	50200.00	21
22	-7436.00	61380.00	-10790.00	60790.00	-4287.00	58340.00	22
23	-9117.00	31950.00	-4932.00	29720.00	2497.00	27140.00	23
24	-4913.00	28590.00	-8535.00	26120.00	6115.00	27140.00	24
25	-9958.00	30270.00	-1394.00	35120.00	-2930.00	32560.00	25
26	-1549.00	26910.00	-5833.00	24320.00	2498.00	24420.00	26
27	-394.00	29850.00	-4932.00	31520.00	10190.00	23400.00	27
28	-1129.00	19760.00	-5833.00	26120.00	5663.00	26680.00	28
29	-1470.00	22280.00	-6283.00	22060.00	14260.00	22610.00	29
30	-288.00	20600.00	-4933.00	18910.00	9281.00	20350.00	30
31	-8276.00	34470.00	-13040.00	34220.00	3854.00	31210.00	31
32	-8276.00	32790.00	-7634.00	31520.00	4759.00	30300.00	32
33	-4913.00	31950.00	-4283.00	31070.00	3402.00	30750.00	33
34	-4493.00	45820.00	-7184.00	40070.00	4759.00	38440.00	34
35	-3652.00	50030.00	-8985.00	39170.00	7472.00	41160.00	35
36	-4072.00	51290.00	-7184.00	41880.00	7020.00	44320.00	36
37	-4913.00	43720.00	-5383.00	39170.00	9734.00	37080.00	37
38	-3231.00	47090.00	-4482.00	42780.00	11090.00	39350.00	38
39	-9912.00	95430.00	-13050.00	90060.00	16970.00	87740.00	39
40	-9376.00	97540.00	-11690.00	93210.00	21940.00	90900.00	40
41	-5760.00	91650.00	-14640.00	81950.00	8368.00	85470.00	41
42	-4744.00	86180.00	-8992.00	77900.00	10620.00	83220.00	42
43	-11640.00	36160.00	-14390.00	32870.00	-4739.00	36180.00	43
44	-10380.00	33210.00	-1331.00	28820.00	10640.00	32560.00	44
45	-6333.00	30490.00	-7184.00	21160.00	11990.00	23070.00	45
46	-6594.00	31950.00	-7634.00	24320.00	11090.00	26680.00	46

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140
TGW 24300 TCG 444 FWD FLIGHT DATE 08/31/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
1	264.30	264.60	263.30	1.00	1.02	.98	1
2	263.50	265.40	263.10	1.01	1.05	.96	2
3	264.60	265.30	263.50	1.02	1.05	.96	3
4	263.80	263.90	263.70	1.00	1.02	.99	4
5	264.00	264.60	263.70	.98	1.01	.97	5
6	264.80	265.40	264.10	1.01	1.04	.96	6
7	264.30	264.90	263.10	1.00	1.04	.97	7
8	264.90	265.30	263.50	1.02	1.05	.95	8
9	264.50	265.60	263.50	1.03	1.05	.94	9
10	264.30	265.10	264.10	1.00	1.02	.98	10
11	263.80	264.60	263.70	1.00	1.02	.97	11
12	263.70	264.50	263.50	.99	1.05	.95	12
13	264.70	266.80	263.30	.96	1.04	.91	13
14	265.70	266.80	263.30	.96	1.08	.88	14
15	266.80	267.20	264.30	.99	1.03	.94	15
16	264.10	266.40	263.50	.97	1.04	.94	16
17	264.20	264.60	263.90	1.00	1.01	.98	17
18	264.30	266.60	263.90	.98	1.05	.91	18
19	265.30	266.20	264.30	.99	1.03	.97	19
20	264.00	264.90	263.50	1.01	1.02	.96	20
21	264.80	265.60	264.60	1.02	1.03	.98	21
22	264.70	265.80	261.40	.94	1.02	.93	22
23	265.20	265.60	263.90	.98	1.03	.95	23
24	264.20	264.60	263.50	.96	1.04	.94	24
25	264.90	265.30	263.30	1.01	1.05	.96	25
26	264.80	265.80	264.10	.97	1.03	.96	26
27	264.70	265.60	264.30	1.01	1.02	.97	27
28	265.40	265.60	264.40	.98	1.02	.97	28
29	264.00	265.80	263.70	.96	1.04	.94	29
30	264.70	265.10	263.90	.99	1.02	.96	30
31	261.60	266.20	259.90	1.04	1.11	.97	31
32	264.50	265.30	253.10	1.01	1.03	.95	32
33	264.80	265.30	263.70	1.00	1.02	.96	33
34	264.20	265.30	263.30	1.00	1.03	.96	34
35	265.20	265.40	263.90	.99	1.03	.97	35
36	264.30	265.30	263.10	.98	1.03	.94	36
37	264.70	264.90	264.10	.99	1.01	.96	37
38	264.50	264.90	262.30	.98	1.03	.96	38
39	262.80	265.30	261.30	1.02	1.11	.97	39
40	263.30	264.90	262.40	1.02	1.06	.91	40
41	264.20	266.40	261.30	.95	1.11	.90	41
42	261.40	263.10	258.60	1.07	1.15	.95	42
43	263.20	265.40	260.90	1.10	1.18	.92	43
44	266.70	269.80	264.30	1.09	1.55	.79	44
45	264.70	264.90	263.90	.98	1.04	.94	45
46	264.70	264.90	263.70	1.00	1.04	.96	46

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140
TOWG 24300 TBCG 4+4 FWD FLIGHT DATE 08/31/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
1	-0.07	.58	-0.56	5.02	5.96	4.50	1
2	-1.94	4.00	-4.30	.18	6.56	-0.89	2
3	.91	3.03	-3.98	4.42	7.16	2.36	3
4	-1.45	-0.72	-1.86	5.79	5.96	5.70	4
5	-0.88	1.40	-1.70	5.74	6.56	3.48	5
6	1.23	1.40	.58	3.26	4.07	2.19	6
7	.58	1.23	.09	5.96	6.90	5.36	7
8	1.07	4.49	-1.37	5.87	8.44	2.45	8
9	.99	3.19	-3.49	7.16	8.87	1.16	9
10	-0.07	.09	-0.23	5.23	5.53	4.67	10
11	-1.61	-0.72	-2.35	5.53	6.04	4.85	11
12	1.64	2.05	-1.21	3.95	6.22	3.65	12
13	1.15	3.40	-1.21	8.66	12.81	5.19	13
14	-0.48	1.23	-5.77	8.53	11.01	7.50	14
15	-1.94	-1.05	-4.30	10.58	11.70	8.19	15
16	-4.38	1.40	-5.12	5.83	8.19	2.10	16
17	-0.39	.42	-3.81	5.15	5.53	4.59	17
18	-3.65	-0.23	-4.95	3.48	8.61	.56	18
19	-3.16	.75	-4.14	5.15	7.07	4.85	19
20	-1.94	-1.70	-5.12	5.44	6.56	4.67	20
21	-1.53	1.23	-3.49	6.94	7.50	5.96	21
22	1.80	10.52	1.23	3.82	6.56	.56	22
23	2.29	3.84	1.23	5.87	6.47	5.19	23
24	1.64	2.37	.75	3.95	6.47	3.39	24
25	1.64	4.00	-0.07	6.56	7.07	3.56	25
26	3.68	4.49	3.35	4.89	6.04	3.99	26
27	3.35	4.98	1.07	4.67	5.96	3.39	27
28	1.48	2.21	-1.42	4.38	6.04	3.48	28
29	1.56	2.86	1.07	4.97	6.64	3.73	29
30	3.19	3.35	2.21	4.33	5.02	3.48	30
31	-1.70	.26	-12.44	2.79	8.10	2.02	31
32	-1.37	-0.23	-2.35	8.06	8.61	4.07	32
33	-0.48	.09	-1.70	6.00	6.90	5.36	33
34	-0.23	.75	-2.02	8.44	9.21	5.44	34
35	.99	1.23	.09	5.34	6.99	5.96	35
36	.75	1.23	-0.72	9.17	10.41	5.79	36
37	.01	1.07	-0.72	6.34	6.81	5.70	37
38	-0.96	.42	-1.70	-1.36	4.16	-3.89	38
39	-1.78	8.56	-3.49	10.75	11.18	3.30	39
40	-2.02	1.72	-3.81	4.76	8.10	1.25	40
41	-1.70	1.40	-4.63	5.79	16.15	5.19	41
42	.50	2.21	-2.02	10.45	21.97	10.07	42
43	-0.31	.09	-2.02	3.56	4.16	2.88	43
44	.34	.91	-1.05	3.48	4.07	2.70	44
45	-2.35	-0.23	-2.51	4.67	6.90	4.42	45
46	-0.72	1.72	-0.88	5.79	6.22	4.33	46

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TGW 24300 TCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	274900.00	13540.00	301400.00	248500.00	-4720.00	83540.00	2
3	246600.00	32900.00	287200.00	7242.00	7336.00	92920.00	3
4	293000.00	13540.00	310400.00	262700.00	-5168.00	90240.00	4
5	284000.00	10970.00	294900.00	261400.00	-7848.00	88460.00	5
6	271700.00	9032.00	284600.00	262700.00	-5168.00	85780.00	6
7	258200.00	9672.00	270400.00	248500.00	-4272.00	83090.00	7
8	245900.00	10330.00	246600.00	234300.00	-8296.00	90680.00	8
9	273600.00	13550.00	288500.00	245900.00	-691.50	54500.00	9
10	244600.00	14830.00	241400.00	229100.00	-1585.00	58070.00	10
11	214200.00	18060.00	236900.00	178800.00	-256.00	72820.00	11
12	168500.00	12900.00	193000.00	155600.00	192.00	67010.00	12
13	171100.00	14190.00	212400.00	140100.00	1536.00	67460.00	13
14	96900.00	13540.00	122100.00	80770.00	6903.00	56730.00	14
15	47880.00	9677.00	40140.00	34340.00	3776.00	46460.00	15
16	-10180.00	10970.00	25300.00	-21140.00	6010.00	45120.00	16
17	197500.00	16770.00	278200.00	-15980.00	-3821.00	66560.00	17
18	175600.00	12260.00	198200.00	158200.00	202.00	57180.00	18
19	209100.00	10970.00	220100.00	180100.00	-3372.00	61650.00	19
20	213000.00	12260.00	226600.00	186600.00	-2480.00	67900.00	20
21	218200.00	14830.00	257500.00	200800.00	-4272.00	75060.00	21
22	214300.00	20000.00	244000.00	175000.00	-4720.00	77280.00	22
23	179500.00	10970.00	191700.00	164600.00	202.00	54500.00	23
24	200800.00	12900.00	213700.00	171100.00	202.00	55390.00	24
25	223300.00	27740.00	257500.00	154300.00	3776.00	51820.00	25
26	229100.00	14190.00	248500.00	160800.00	-2040.00	69240.00	26
27	239500.00	18060.00	257500.00	125900.00	-2040.00	71030.00	27
28	144000.00	16130.00	189200.00	147900.00	5116.00	65670.00	28
29	184000.00	23220.00	208500.00	137500.00	1095.00	61650.00	29
30	191700.00	25810.00	217500.00	149200.00	23430.00	75050.00	30
31	195000.00	8392.00	203300.00	177500.00	-2479.00	55390.00	31
32	202700.00	13540.00	221400.00	169800.00	649.00	64780.00	32
33	228500.00	26450.00	260100.00	102700.00	-4272.00	69700.00	33
34	182700.00	23220.00	229100.00	146600.00	-3825.00	63890.00	34
35	204000.00	26450.00	302700.00	94960.00	-4272.00	69700.00	35
36	204600.00	20000.00	247800.00	135000.00	-2480.00	67900.00	36
37	247800.00	25160.00	311700.00	158200.00	-2032.00	59410.00	37
38	192000.00	33540.00	251100.00	104000.00	-1143.00	65670.00	38
39	-41780.00	6451.00	-31460.00	-54690.00	6010.00	37080.00	39
40	-37910.00	7741.00	-26300.00	-57910.00	11370.00	54050.00	40
41	-33400.00	13550.00	-6950.00	-57910.00	5559.00	62540.00	41
42	-12760.00	10970.00	51110.00	-57910.00	-691.50	61650.00	42
43	-41140.00	14840.00	-10820.00	-57910.00	-248.00	70140.00	43
44	91740.00	10970.00	118200.00	-44360.00	-1139.00	62090.00	44
45	-34690.00	9676.00	-19850.00	-44360.00	7797.00	49590.00	45
46	-11470.00	12260.00	44660.00	-57910.00	5116.00	55840.00	46
47	-13400.00	14190.00	25630.00	-57910.00	5112.00	62980.00	47
48	-15340.00	17420.00	29170.00	-57910.00	5115.00	64770.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TBCW 24300 TBCG 44 FWD FLIGHT DATE 08/31/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
49	-27590.00	18060.00	31760.00	-57910.00	-2926.00	55840.00	49
50	193700.00	9680.00	203300.00	172400.00	-8744.00	87560.00	50
51	234900.00	15490.00	256200.00	218800.00	-7400.00	88900.00	51
52	229100.00	21940.00	287200.00	185300.00	-8296.00	93370.00	52
53	218800.00	18060.00	226900.00	194300.00	-4272.00	82190.00	53
54	247200.00	21290.00	289800.00	227900.00	2432.00	79070.00	54
55	254200.00	24510.00	329800.00	227900.00	-2040.00	88010.00	55
56	281400.00	25150.00	345200.00	256200.00	4216.00	86220.00	56
57	231100.00	32900.00	340700.00	48530.00	-12310.00	64330.00	57

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TGW 24300 TCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	9080.00	85620.00	-16900.00	99880.00	272.00	104900.00	2
3	11360.00	94270.00	1096.00	107100.00	704.00	107100.00	3
4	11810.00	89260.00	-17800.00	108000.00	2032.00	111900.00	4
5	7720.00	87900.00	-16900.00	104400.00	-1056.00	106200.00	5
6	11360.00	85170.00	-14660.00	101200.00	2912.00	104000.00	6
7	11820.00	82890.00	-14660.00	97630.00	2032.00	101300.00	7
8	6352.00	91090.00	-19600.00	106200.00	-4136.00	109300.00	8
9	10000.00	50100.00	-10150.00	65240.00	3363.00	62130.00	9
10	9545.00	52370.00	-9701.00	68400.00	2918.00	65090.00	10
11	12270.00	68770.00	-11500.00	84580.00	-168.00	82390.00	11
12	9999.00	61940.00	-10150.00	78740.00	1152.00	74910.00	12
13	10000.00	63760.00	-7456.00	78740.00	3792.00	75790.00	13
14	7724.00	56930.00	-4299.00	67490.00	1152.00	66980.00	14
15	12280.00	45090.00	-9244.00	55340.00	2922.00	54640.00	15
16	11370.00	43270.00	-8794.00	53990.00	5125.00	51550.00	16
17	9543.00	61480.00	-14650.00	79640.00	-608.00	78430.00	17
18	10910.00	52830.00	-9245.00	67940.00	3359.00	65650.00	18
19	10450.00	57840.00	-10600.00	72890.00	2472.00	71820.00	19
20	10910.00	62850.00	-10150.00	80540.00	272.00	78430.00	20
21	9996.00	70130.00	-13300.00	87290.00	-2376.00	86360.00	21
22	10450.00	72410.00	-15550.00	89540.00	-1928.00	88570.00	22
23	9545.00	51460.00	-9251.00	65250.00	3363.00	61250.00	23
24	7268.00	51920.00	-9249.00	66140.00	1600.00	59490.00	24
25	6357.00	51010.00	-4751.00	62550.00	2482.00	58600.00	25
26	10450.00	66940.00	-15550.00	81440.00	2032.00	81070.00	26
27	9994.00	66490.00	-11050.00	85030.00	2472.00	80630.00	27
28	20020.00	61940.00	-2952.00	78740.00	16580.00	80640.00	28
29	9997.00	58290.00	-4752.00	72430.00	2472.00	74470.00	29
30	-24.00	85620.00	19990.00	87290.00	-8536.00	96940.00	30
31	8635.00	51460.00	-11940.00	65240.00	278.00	64330.00	31
32	7720.00	60570.00	-6552.00	75140.00	6005.00	70940.00	32
33	12730.00	69220.00	-17350.00	83240.00	5560.00	87240.00	33
34	8630.00	57830.00	-11950.00	75140.00	-176.00	72700.00	34
35	9083.00	66490.00	-13300.00	84580.00	-1936.00	82400.00	35
36	8179.00	65580.00	-11950.00	82340.00	1592.00	78870.00	36
37	9084.00	56470.00	-13750.00	71550.00	272.00	70500.00	37
38	4356.00	65580.00	-7448.00	76940.00	-616.00	73140.00	38
39	4991.00	38710.00	-6545.00	44540.00	2922.00	43180.00	39
40	9090.00	54650.00	654.00	64340.00	7766.00	60360.00	40
41	14100.00	57840.00	-6104.00	75590.00	9526.00	72700.00	41
42	11820.00	57380.00	-15090.00	72890.00	-1048.00	76230.00	42
43	14380.00	68310.00	-15100.00	83690.00	6440.00	91660.00	43
44	9086.00	59200.00	-9697.00	73790.00	2032.00	69620.00	44
45	4357.00	50100.00	-495.50	54890.00	1159.00	55520.00	45
46	8634.00	56020.00	-5651.00	65250.00	5121.00	63890.00	46
47	-4574.00	60120.00	-1600.00	70190.00	-13380.00	67420.00	47
48	11360.00	63300.00	-5200.00	78290.00	-2808.00	78870.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TGW 24300 TCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
49	6357.00	53740.00	-15100.00	66600.00	-7217.00	69180.00	49
50	4984.00	90630.00	-17350.00	102100.00	-2816.00	108000.00	50
51	7264.00	88350.00	-13750.00	103900.00	1152.00	107500.00	51
52	3160.00	91540.00	-15550.00	109300.00	-2816.00	110600.00	52
53	10450.00	78780.00	-10150.00	97640.00	3800.00	96060.00	53
54	7256.00	80150.00	-3408.00	93580.00	7320.00	93420.00	54
55	8168.00	85620.00	-7904.00	103500.00	6432.00	101300.00	55
56	4352.00	86530.00	-704.00	101700.00	7768.00	100900.00	56
57	6354.00	62850.00	-11950.00	76040.00	2472.00	77110.00	57

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TGW 24300 TCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	366400.00	9664.00	391500.00	327100.00	2072.00	75930.00	2
3	379300.00	30280.00	426300.00	123500.00	-2368.00	80370.00	3
4	367000.00	12890.00	390200.00	346400.00	8736.00	84370.00	4
5	358600.00	10960.00	377300.00	346400.00	6072.00	85260.00	5
6	363800.00	9664.00	377300.00	352800.00	7400.00	76820.00	6
7	345700.00	9024.00	376000.00	355400.00	4736.00	74160.00	7
8	338000.00	12250.00	352800.00	325800.00	6952.00	88810.00	8
9	338000.00	8376.00	354100.00	327100.00	6074.00	40850.00	9
10	335400.00	9664.00	346400.00	319300.00	5186.00	39080.00	10
11	318000.00	16750.00	345100.00	294900.00	3848.00	74150.00	11
12	292300.00	12890.00	309000.00	267800.00	1634.00	55950.00	12
13	293600.00	14180.00	327100.00	253600.00	1190.00	51950.00	13
14	200200.00	12250.00	217600.00	182800.00	1190.00	50180.00	14
15	142200.00	8376.00	154400.00	131200.00	7407.00	46620.00	15
16	91920.00	7088.00	100300.00	64220.00	2522.00	31970.00	16
17	201400.00	16110.00	364400.00	68080.00	1630.00	63940.00	17
18	287800.00	5800.00	302600.00	282000.00	1190.00	36860.00	18
19	298700.00	9016.00	307700.00	279400.00	746.00	47070.00	19
20	284600.00	9016.00	302400.00	271700.00	6962.00	66610.00	20
21	326400.00	19980.00	350300.00	297400.00	2520.00	95910.00	21
22	332200.00	20620.00	343200.00	243300.00	-3256.00	98140.00	22
23	309000.00	12890.00	327100.00	292300.00	3410.00	39080.00	23
24	334200.00	13530.00	355400.00	312900.00	2078.00	40410.00	24
25	340600.00	18040.00	388900.00	297400.00	5630.00	39520.00	25
26	318000.00	19330.00	350300.00	262600.00	-2368.00	81260.00	26
27	314800.00	19970.00	343800.00	244600.00	-6808.00	85700.00	27
28	280700.00	20620.00	307700.00	254900.00	1634.00	56840.00	28
29	271700.00	19330.00	306400.00	252300.00	-2807.00	47070.00	29
30	285200.00	26420.00	321900.00	249800.00	8738.00	66610.00	30
31	278100.00	19330.00	301300.00	258800.00	-586.00	58170.00	31
32	282000.00	11590.00	293600.00	258800.00	-1031.00	44400.00	32
33	291600.00	26420.00	323200.00	226600.00	-4584.00	94140.00	33
34	283300.00	25780.00	337400.00	230400.00	746.00	47070.00	34
35	387000.00	36720.00	441700.00	212400.00	-11250.00	86590.00	35
36	329700.00	20620.00	395400.00	288400.00	2522.00	57730.00	36
37	323200.00	21900.00	368300.00	245900.00	746.00	51510.00	37
38	341900.00	43810.00	445600.00	224000.00	-3695.00	42630.00	38
39	56480.00	32210.00	88690.00	20410.00	2966.00	30640.00	39
40	49400.00	30280.00	86110.00	13970.00	4743.00	43960.00	40
41	21700.00	15460.00	64220.00	2372.00	5631.00	43070.00	41
42	40380.00	17400.00	84830.00	8815.00	6518.00	39520.00	42
43	80320.00	27700.00	114500.00	19120.00	2966.00	42180.00	43
44	195000.00	10950.00	206000.00	8815.00	745.50	55950.00	44
45	17190.00	8376.00	23300.00	8815.00	6075.00	37300.00	45
46	37810.00	12240.00	101600.00	7526.00	7407.00	43960.00	46
47	44830.00	14820.00	84830.00	16550.00	6519.00	52840.00	47
48	39740.00	14170.00	75810.00	16550.00	6963.00	47070.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
T6GW 24300 TBCG 4+4 FWD FLIGHT DATE 08/31/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
49	51980.00	26410.00	115800.00	15260.00	2078.00	44850.00	49
50	254900.00	14180.00	273000.00	230400.00	-592.00	93700.00	50
51	286500.00	16100.00	306400.00	267800.00	4736.00	91920.00	51
52	338000.00	38010.00	376000.00	254900.00	21170.00	145600.00	52
53	240100.00	15460.00	288400.00	244600.00	5624.00	83930.00	53
54	303900.00	19330.00	337400.00	278100.00	14950.00	81700.00	54
55	355400.00	36080.00	391500.00	280700.00	2960.00	120300.00	55
56	348300.00	33500.00	401800.00	310300.00	18060.00	107900.00	56
57	318700.00	32860.00	385100.00	193100.00	-152.00	87030.00	57

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TGW 24300 TCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	49170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-1136.00	76100.00	-8090.00	69800.00	5207.00	67830.00	2
3	-296.00	81140.00	-12140.00	75650.00	6104.00	72360.00	3
4	-5336.00	87860.00	912.00	78800.00	5224.00	79600.00	4
5	-4496.00	87020.00	-2232.00	77450.00	680.00	76890.00	5
6	-4080.00	78190.00	-2688.00	71600.00	2032.00	68290.00	6
7	-1136.00	75250.00	-4033.00	69340.00	3847.00	66470.00	7
8	-5760.00	91650.00	-888.00	81500.00	680.00	80500.00	8
9	-4072.00	36160.00	471.00	41430.00	1593.00	37990.00	9
10	-6174.00	35730.00	-880.00	39170.00	1141.00	36630.00	10
11	-12900.00	69370.00	-2688.00	75200.00	-8360.00	66940.00	11
12	-10380.00	55920.00	-2231.00	58540.00	-8357.00	54270.00	12
13	-9537.00	50870.00	-5383.00	56280.00	-5191.00	50200.00	13
14	-2235.00	47510.00	-6734.00	50430.00	9733.00	44320.00	14
15	-1129.00	42460.00	-2681.00	49980.00	8829.00	43420.00	15
16	-2811.00	33210.00	-9886.00	32870.00	8829.00	28040.00	16
17	-1129.00	57600.00	-5840.00	62140.00	7472.00	52910.00	17
18	-1549.00	36160.00	-5383.00	36470.00	2497.00	35280.00	18
19	-7435.00	47090.00	-5833.00	47730.00	-5191.00	46580.00	19
20	-10800.00	43070.00	2272.00	63040.00	-5196.00	62870.00	20
21	-12490.00	90810.00	-5392.00	95010.00	-8816.00	84580.00	21
22	-10800.00	97540.00	-11700.00	98610.00	-12430.00	90000.00	22
23	-1970.00	39100.00	-4483.00	37370.00	2045.00	35730.00	23
24	-708.50	40360.00	-5833.00	37820.00	688.00	38890.00	24
25	-3231.00	40360.00	-3132.00	36920.00	-1121.00	36180.00	25
26	-1976.00	84500.00	-13940.00	83750.00	-1128.00	81400.00	26
27	-9544.00	89540.00	-12140.00	89150.00	-5200.00	85470.00	27
28	-4492.00	60960.00	471.00	59440.00	-7458.00	60610.00	28
29	-2811.00	44980.00	-9885.00	46380.00	-2497.00	44320.00	29
30	-5344.00	76100.00	-429.50	60340.00	-2031.00	64230.00	30
31	-4913.00	53810.00	-5833.00	54030.00	-4287.00	53820.00	31
32	-4913.00	42040.00	-4032.00	46830.00	-2026.00	39800.00	32
33	5176.00	105900.00	-22060.00	93660.00	1136.00	97230.00	33
34	-7856.00	44140.00	-3582.00	48180.00	-6096.00	43870.00	34
35	-12060.00	98800.00	-25200.00	86000.00	-23740.00	95880.00	35
36	-3231.00	57180.00	-880.00	53580.00	-7453.00	52460.00	36
37	-1129.00	49190.00	-4032.00	49530.00	-4287.00	49300.00	37
38	-5333.00	44140.00	-6283.00	40070.00	-12430.00	46580.00	38
39	-7015.00	34890.00	-8985.00	30170.00	2497.00	30750.00	39
40	-5754.00	49610.00	-4933.00	36920.00	3854.00	41160.00	40
41	-5333.00	48350.00	-17090.00	38270.00	3402.00	39800.00	41
42	-2390.00	42040.00	-9435.00	37820.00	8829.00	36180.00	42
43	-4174.00	48350.00	-4482.00	39170.00	5211.00	39800.00	43
44	-1549.00	58860.00	-5833.00	56730.00	2950.00	52910.00	44
45	-2390.00	41200.00	-9885.00	34670.00	12900.00	32110.00	45
46	-1549.00	49610.00	-17090.00	40070.00	9733.00	39800.00	46
47	-5333.00	56760.00	-1781.00	46380.00	4758.00	46580.00	47
48	-2390.00	52130.00	-11240.00	40520.00	7020.00	43420.00	48

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AIRCRAFT SLP1 FLIGHT 141
TGW 24300 TBCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	49170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
49	4337.00	42040.00	-9886.00	45480.00	10640.00	40700.00	49
50	-2392.00	100100.00	-7640.00	84650.00	680.00	89540.00	50
51	-3240.00	94170.00	-464.00	81060.00	-2488.00	84570.00	51
52	-9544.00	131600.00	912.00	123800.00	-17410.00	114000.00	52
53	-3664.00	87020.00	-888.00	77000.00	680.00	80500.00	53
54	968.00	87450.00	5416.00	77000.00	2040.00	80950.00	54
55	-3232.00	116000.00	-6288.00	110300.00	-9264.00	105800.00	55
56	-6176.00	109700.00	11270.00	102700.00	-4744.00	101300.00	56
57	7688.00	89130.00	-8536.00	81050.00	14250.00	80500.00	57

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TGW 24300 TCCG 4+4 FWD FLIGHT DATE 08/31/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.80	265.60	264.60	1.01	1.06	1.00	2
3	266.60	270.10	261.80	1.05	1.11	.92	3
4	265.20	265.30	264.90	1.05	1.09	1.02	4
5	264.80	265.40	264.60	1.02	1.04	.98	5
6	264.80	265.30	264.60	1.00	1.01	.99	6
7	265.00	265.10	264.90	1.01	1.02	.99	7
8	265.40	265.60	264.90	1.01	1.03	.98	8
9	265.20	265.30	264.90	.99	1.00	.98	9
10	264.80	265.10	264.60	1.02	1.02	1.00	10
11	265.30	265.40	264.40	1.03	1.08	1.02	11
12	265.60	265.80	264.90	1.02	1.06	1.00	12
13	264.70	265.40	263.90	1.01	1.04	1.00	13
14	265.90	266.20	265.80	.99	1.02	.96	14
15	266.00	266.20	265.10	1.01	1.02	.99	15
16	267.10	268.90	266.40	.98	1.01	.92	16
17	262.20	265.40	259.80	1.08	1.15	.97	17
18	265.00	265.30	264.90	.99	1.01	.98	18
19	264.70	265.30	264.30	1.01	1.02	.95	19
20	264.80	265.10	264.40	1.00	1.04	.98	20
21	264.80	265.10	264.60	1.03	1.05	1.00	21
22	264.80	265.80	264.10	1.00	1.07	.92	22
23	264.80	264.90	264.40	1.01	1.02	1.00	23
24	264.80	265.10	264.60	1.03	1.04	1.00	24
25	264.70	265.60	264.10	.93	1.03	.92	25
26	264.80	265.60	263.70	1.02	1.12	.93	26
27	265.30	266.00	263.10	1.05	1.14	.91	27
28	264.80	265.40	264.40	1.04	1.06	1.03	28
29	264.70	264.90	264.30	.98	1.02	.96	29
30	263.70	266.00	263.10	.98	1.07	.91	30
31	264.80	265.10	264.30	1.04	1.04	.99	31
32	264.30	265.10	264.10	.99	1.03	.93	32
33	266.40	267.90	264.40	.97	1.20	.86	33
34	267.60	270.80	264.60	1.03	1.06	.96	34
35	266.50	267.90	261.40	1.06	1.20	.95	35
36	264.60	265.80	263.30	1.06	1.17	.97	36
37	264.60	266.00	264.10	.89	1.12	.83	37
38	266.10	271.80	262.80	1.07	1.28	.91	38
39	274.90	276.90	273.60	.95	1.00	.83	39
40	283.00	284.90	273.20	1.02	1.17	.95	40
41	272.60	285.40	263.90	1.07	1.34	.93	41
42	275.30	291.60	258.30	1.31	1.52	.66	42
43	284.60	289.00	263.10	1.35	1.63	.84	43
44	275.90	278.80	266.20	.95	1.08	.87	44
45	278.80	281.40	278.60	.94	1.05	.91	45
46	277.20	287.20	259.00	1.12	1.26	.77	46
47	271.20	282.50	259.20	1.25	1.32	.86	47
48	273.50	279.40	259.60	1.19	1.42	.94	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TOW 24300 TACG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
49	271.70	273.60	258.10	1.13	1.51	.87	49
50	264.70	265.60	264.40	.99	1.02	.97	50
51	264.10	265.10	263.90	.96	.99	.95	51
52	265.00	265.80	263.90	1.07	1.12	.87	52
53	264.80	265.40	264.60	1.05	1.09	1.01	53
54	264.80	265.40	264.10	1.05	1.09	.94	54
55	265.30	265.60	263.50	1.07	1.20	.90	55
56	264.70	265.30	263.70	.96	1.08	.87	56
57	264.60	265.60	260.90	1.00	1.09	.97	57

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TGW 24300 TCG 44 FWD FLIGHT DATE 08/31/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	-2.84	2.05	-9.68	-6.37	-3.46	-8.85	2
3	-.96	2.70	-10.33	7.59	16.32	-.46	3
4	4.00	5.79	3.03	1.34	3.30	.91	4
5	.42	.91	-.23	.31	.56	-1.83	5
6	-.15	.75	-.88	-.51	-.29	-1.23	6
7	-2.19	-2.02	-2.84	.14	.22	-.89	7
8	.18	1.56	-1.05	-4.15	-2.43	-4.92	8
9	.75	1.23	-.23	2.66	3.13	1.93	9
10	-.48	.58	-1.53	4.55	4.76	4.16	10
11	1.48	1.89	.75	6.99	7.33	5.96	11
12	-1.61	-.56	-2.02	5.57	5.79	4.16	12
13	.26	4.00	-1.53	3.35	4.59	2.62	13
14	.75	2.54	.58	3.00	4.93	2.88	14
15	1.72	2.21	.91	4.03	4.93	3.90	15
16	-.31	.75	-1.53	4.25	5.02	3.56	16
17	1.15	1.56	-1.21	4.50	5.36	.31	17
18	2.86	3.19	.26	3.99	4.25	3.22	18
19	.26	.42	-2.35	1.34	2.53	.65	19
20	1.80	2.05	-2.51	2.02	2.53	.74	20
21	-1.29	-1.05	-2.51	-.21	1.25	-.81	21
22	-.39	1.07	-2.67	-.89	1.93	-2.52	22
23	-1.05	-.39	-1.37	5.49	5.87	5.19	23
24	-.39	.09	-.72	8.10	8.36	5.70	24
25	-.23	.42	-2.67	3.82	8.10	3.48	25
26	-1.21	2.21	-15.21	9.85	10.33	.22	26
27	4.17	17.52	-.560	4.89	11.10	-1.83	27
28	-1.13	-.56	-2.84	3.65	4.33	2.96	28
29	-2.35	-1.70	-2.84	2.40	3.30	1.51	29
30	-1.45	-.56	-2.51	2.40	3.13	1.76	30
31	-3.08	-1.86	-3.32	3.73	4.16	3.05	31
32	1.89	2.37	.26	1.81	2.70	-.63	32
33	-.80	.58	-2.02	-1.32	5.27	-7.48	33
34	-.56	-.07	-1.21	2.28	3.05	2.02	34
35	10.52	30.54	.75	4.46	10.50	1.76	35
36	-11.87	-.88	-27.92	6.56	11.18	.31	36
37	-1.05	.75	-3.81	-4.96	6.73	-7.66	37
38	-1.78	-.56	-2.02	4.20	4.50	3.22	38
39	-1.86	-1.37	-3.32	5.62	8.27	3.48	39
40	10.68	32.82	-.105	-.93	6.56	-7.48	40
41	-11.71	.58	-39.15	-1.11	8.78	-6.46	41
42	3.27	3.84	.26	3.48	14.44	-3.63	42
43	3.11	4.17	.75	5.49	11.70	5.02	43
44	3.51	4.00	1.07	4.42	8.01	2.36	44
45	.83	2.05	.42	1.76	2.45	1.42	45
46	-10.82	2.37	-18.47	4.50	12.12	-2.86	46
47	5.06	30.54	3.68	1.34	7.24	-2.52	47
48	4.33	5.96	-1.53	2.96	8.01	-3.12	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TGW 24300 TCG 4+4 FWD FLIGHT DATE 08/31/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
49	1.56	2.86	-2.19	4.72	7.84	2.45	49
50	.34	.91	-1.70	-3.20	-2.86	-3.89	50
51	-.07	1.23	-.23	-4.57	-4.32	-4.83	51
52	1.89	3.19	-1.37	-2.13	-1.83	-6.37	52
53	-.15	.09	-1.05	-2.52	-1.83	-3.29	53
54	.01	1.40	-1.86	-2.35	-1.49	-4.92	54
55	2.54	22.08	-3.98	3.95	5.96	-2.60	55
56	-.56	.42	-1.86	-5.64	-3.72	-7.48	56
57	-6.66	8.24	-9.19	-.25	8.53	-1.32	57

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TGW 24300 TCG 4+4 FWD FLIGHT DATE 09/01/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	244700.00	13550.00	290000.00	230600.00	-10500.00	92960.00	2
3	174500.00	12260.00	195700.00	159600.00	-7816.00	79540.00	3
4	143500.00	14190.00	188000.00	149300.00	-5136.00	84910.00	4
5	193200.00	18060.00	217700.00	173800.00	-4240.00	84910.00	5
6	164500.00	10330.00	147400.00	139000.00	-6920.00	82230.00	6
7	177000.00	10970.00	189300.00	149300.00	-8704.00	84020.00	7
8	148600.00	10330.00	141900.00	155700.00	-6920.00	83130.00	8
9	181600.00	11620.00	216400.00	169900.00	-6024.00	82230.00	9
10	222200.00	12260.00	242200.00	204800.00	-4240.00	83120.00	10
11	213800.00	14840.00	244100.00	219000.00	-2448.00	84020.00	11
12	278300.00	23230.00	319600.00	255100.00	2024.00	81340.00	12
13	247700.00	24520.00	346400.00	261600.00	5144.00	82680.00	13
14	286700.00	29040.00	340300.00	247400.00	3808.00	84910.00	14
15	282200.00	24520.00	342500.00	255100.00	6488.00	75080.00	15
16	151900.00	9032.00	172500.00	142800.00	-2896.00	79100.00	16
17	177700.00	12900.00	266100.00	164800.00	-2896.00	77310.00	17
18	190600.00	14200.00	212500.00	173800.00	-2000.00	79100.00	18
19	219600.00	13550.00	241600.00	199600.00	-3352.00	87590.00	19
20	214400.00	13550.00	256400.00	198300.00	-3792.00	88030.00	20
21	159600.00	10320.00	173800.00	142800.00	-6472.00	83580.00	21
22	142500.00	9040.00	173800.00	151900.00	-5584.00	85360.00	22
23	188000.00	10330.00	263500.00	172500.00	-5136.00	92060.00	23
24	200900.00	11620.00	216400.00	185400.00	-5136.00	96530.00	24
25	211200.00	12900.00	230600.00	189300.00	-3344.00	99220.00	25
26	215800.00	18710.00	243500.00	190600.00	-6024.00	100100.00	26
27	205400.00	18710.00	242800.00	179000.00	-4240.00	90270.00	27
28	217000.00	18700.00	271900.00	177700.00	-8704.00	92060.00	28
29	257700.00	23220.00	243500.00	193200.00	-1112.00	95190.00	29
30	230600.00	25810.00	287400.00	171200.00	-5584.00	92510.00	30
31	251200.00	20650.00	282200.00	230600.00	15420.00	89380.00	31
32	245800.00	32900.00	311900.00	222800.00	-224.00	84460.00	32
33	270600.00	28380.00	310600.00	228000.00	23020.00	103200.00	33
34	259600.00	16140.00	280900.00	230600.00	2912.00	82220.00	34
35	244100.00	15480.00	246700.00	216400.00	-5128.00	82230.00	35
36	277700.00	26460.00	309300.00	140300.00	-11840.00	89820.00	36
37	314500.00	41300.00	357000.00	189300.00	-6024.00	88490.00	37
38	318300.00	54190.00	372500.00	198300.00	-10050.00	109500.00	38
39	291200.00	24520.00	319600.00	255100.00	9616.00	87150.00	39
40	284800.00	30980.00	326100.00	247400.00	224.00	84910.00	40
41	302800.00	32260.00	348000.00	260300.00	10950.00	95640.00	41
42	140300.00	16130.00	226700.00	110600.00	-8264.00	89830.00	42
43	155100.00	17420.00	248000.00	100300.00	-10500.00	92960.00	43
44	188600.00	18710.00	264100.00	140300.00	-6920.00	104600.00	44
45	205400.00	22580.00	305400.00	153200.00	-9160.00	100600.00	45
46	225100.00	22580.00	259000.00	53810.00	-8704.00	96530.00	46
47	248700.00	40000.00	293800.00	148000.00	-18090.00	106800.00	47
48	182800.00	20650.00	249300.00	139000.00	-2456.00	92950.00	48

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TOW 24300 TBCR 4.4 FWD FLIGHT DATE 09/01/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
49	202800.00	25160.00	256400.00	151900.00	232.00	87590.00	49
50	123500.00	7744.00	141600.00	114400.00	-216.00	70170.00	50
51	99160.00	12260.00	117000.00	78320.00	-2000.00	71950.00	51
52	38970.00	8388.00	53810.00	22840.00	-3786.00	63010.00	52
53	-29420.00	8388.00	-21030.00	-48130.00	-8702.00	64350.00	53
54	-40390.00	11610.00	3486.00	-57810.00	1120.00	97420.00	54
55	36390.00	18710.00	46700.00	-57810.00	6488.00	78650.00	55
56	43490.00	22580.00	146700.00	-57810.00	-18540.00	82230.00	56
57	-33290.00	20000.00	-12000.00	-57810.00	-16750.00	92060.00	57
58	-39740.00	14840.00	69300.00	-57810.00	3352.00	81780.00	58
59	240900.00	30320.00	314500.00	-57810.00	-1560.00	93850.00	59
60	-10060.00	8388.00	-385.00	-22320.00	5600.00	50050.00	60
61	-44580.00	13230.00	-10710.00	-57810.00	-216.00	70170.00	61
62	-16520.00	16130.00	48650.00	-57810.00	-7368.00	99660.00	62
63	-21030.00	18070.00	18970.00	-57810.00	-7362.00	72850.00	63
64	-27160.00	13550.00	-6837.00	-57810.00	-9600.00	89380.00	64
65	-20390.00	18710.00	25420.00	-57810.00	-11380.00	87590.00	65
66	44780.00	19360.00	267400.00	-57810.00	-9600.00	92060.00	66
67	166700.00	10970.00	185400.00	154400.00	-5584.00	83570.00	67
68	208000.00	25160.00	262200.00	155700.00	-4240.00	88480.00	68
69	219000.00	28380.00	271900.00	129900.00	-4240.00	104600.00	69
70	228000.00	15480.00	277000.00	186700.00	-1560.00	89380.00	70
71	277700.00	17420.00	309300.00	240900.00	-2448.00	92060.00	71
72	288000.00	17420.00	322200.00	261600.00	-5136.00	92060.00	72
73	277700.00	16140.00	306700.00	235700.00	-5136.00	99220.00	73
74	293800.00	23220.00	322500.00	239600.00	1120.00	84910.00	74
76	277700.00	26460.00	323500.00	246100.00	1568.00	82670.00	76
77	242200.00	30330.00	320000.00	219000.00	-1112.00	89830.00	77
78	219000.00	36130.00	320900.00	-18450.00	2464.00	82670.00	78

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TGW 24300 TBCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	6328.00	91990.00	-19620.00	109600.00	640.00	111500.00	2
3	8152.00	81060.00	-17360.00	93810.00	1080.00	97800.00	3
4	13160.00	85160.00	-15100.00	100600.00	6368.00	103100.00	4
5	13620.00	84700.00	-13300.00	100600.00	5488.00	104000.00	5
6	9976.00	82890.00	-17360.00	96510.00	2408.00	100900.00	6
7	7696.00	86990.00	-19160.00	99220.00	-680.00	104000.00	7
8	8152.00	83800.00	-17810.00	97870.00	-688.00	101300.00	8
9	9976.00	81060.00	-14200.00	96970.00	2408.00	99130.00	9
10	9520.00	79700.00	-13760.00	98320.00	2840.00	97800.00	10
11	11340.00	79700.00	-9688.00	99670.00	2840.00	96920.00	11
12	4968.00	79700.00	-2024.00	94710.00	1960.00	91640.00	12
13	8608.00	81520.00	-2928.00	97420.00	5040.00	94720.00	13
14	5416.00	84710.00	-2472.00	99670.00	5048.00	98250.00	14
15	4512.00	77420.00	2936.00	89750.00	1520.00	91200.00	15
16	9520.00	79700.00	-12850.00	92910.00	2840.00	95160.00	16
17	12710.00	76510.00	-12860.00	92010.00	5048.00	92950.00	17
18	16350.00	74690.00	-11050.00	93820.00	10340.00	91200.00	18
19	9520.00	83340.00	-12400.00	103300.00	4168.00	98250.00	19
20	8608.00	85170.00	-12850.00	102800.00	3288.00	99130.00	20
21	8608.00	85170.00	-19160.00	97420.00	-2008.00	100900.00	21
22	8608.00	86080.00	-17360.00	100100.00	-680.00	103100.00	22
23	8608.00	91540.00	-16460.00	107300.00	-680.00	110100.00	23
24	9064.00	95640.00	-16010.00	113200.00	-1128.00	115000.00	24
25	9520.00	98830.00	-17360.00	117300.00	-1120.00	120300.00	25
26	9064.00	100200.00	-16910.00	117700.00	-240.00	122000.00	26
27	9064.00	85620.00	-16460.00	107300.00	-240.00	105300.00	27
28	8152.00	88360.00	-21420.00	110500.00	-2880.00	107900.00	28
29	5872.00	92450.00	-11950.00	112800.00	1960.00	109300.00	29
30	3144.00	89720.00	-17820.00	111400.00	-240.00	110600.00	30
31	10880.00	91090.00	12400.00	105500.00	2400.00	117600.00	31
32	12260.00	80610.00	-10590.00	100600.00	4168.00	98250.00	32
33	-3232.00	97920.00	16010.00	120900.00	-5528.00	115000.00	33
34	8608.00	78780.00	-6088.00	96970.00	5048.00	91190.00	34
35	7240.00	81980.00	-16460.00	97420.00	-2008.00	100900.00	35
36	7248.00	89260.00	-28180.00	107300.00	-5088.00	111900.00	36
37	3600.00	92000.00	-17360.00	103700.00	-11250.00	113700.00	37
38	7240.00	106600.00	-17820.00	128500.00	200.00	119800.00	38
39	20000.00	84710.00	-4736.00	110500.00	20460.00	104000.00	39
40	22270.00	80610.00	-8344.00	101900.00	14300.00	96920.00	40
41	7240.00	108400.00	6096.00	115500.00	6368.00	125100.00	41
42	10880.00	91090.00	-22780.00	107300.00	-1560.00	111900.00	42
43	8608.00	93360.00	-25030.00	111400.00	-4648.00	115000.00	43
44	13620.00	106600.00	-23220.00	125800.00	-680.00	133000.00	44
45	9968.00	102000.00	-22780.00	120900.00	-2008.00	125600.00	45
46	11800.00	98380.00	-24580.00	116400.00	-1560.00	121600.00	46
47	9064.00	108400.00	-32700.00	129900.00	2848.00	128600.00	47
48	14070.00	89720.00	-14660.00	110000.00	4168.00	110600.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TGW 24300 TBCG 4.4 FWD FLIGHT DATE 09/01/77

EVFNT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
49	11340.00	86080.00	-12400.00	106000.00	-2440.00	108400.00	49
50	11350.00	68770.00	-11050.00	81180.00	1960.00	81940.00	50
51	11350.00	72410.00	-14660.00	84780.00	-240.00	87660.00	51
52	11800.00	64670.00	-15560.00	77580.00	2400.00	80620.00	52
53	4048.00	71500.00	-22770.00	80280.00	-10370.00	88110.00	53
54	19080.00	93820.00	-16010.00	115900.00	1960.00	116300.00	54
55	13160.00	75140.00	-6544.00	91100.00	200.00	93400.00	55
56	4056.00	92460.00	-27740.00	104200.00	-10380.00	117200.00	56
57	7248.00	102900.00	-24500.00	119100.00	-6856.00	133000.00	57
58	1776.00	83790.00	-27730.00	100600.00	-13900.00	106600.00	58
59	11340.00	86980.00	-12400.00	108700.00	640.00	108800.00	59
60	9982.00	49190.00	-9240.00	63140.00	1530.00	60360.00	60
61	7701.00	71500.00	-7440.00	83890.00	-6848.00	88990.00	61
62	14530.00	98370.00	-27280.00	122700.00	2848.00	126900.00	62
63	9064.00	77420.00	-28180.00	86600.00	-5528.00	97370.00	63
64	3592.00	96550.00	-24580.00	118200.00	-16100.00	122900.00	64
65	3144.00	94280.00	-29540.00	111400.00	-13020.00	118100.00	65
66	10890.00	93820.00	-20440.00	113200.00	-3760.00	120300.00	66
67	9520.00	85170.00	-18710.00	98780.00	200.00	103100.00	67
68	9976.00	87450.00	-18260.00	104600.00	200.00	104900.00	68
69	14980.00	103400.00	-20520.00	124000.00	200.00	127800.00	69
70	11800.00	85620.00	-14660.00	104600.00	640.00	104400.00	70
71	10880.00	88350.00	-14200.00	109600.00	200.00	108400.00	71
72	12250.00	86980.00	-17360.00	110000.00	2840.00	107500.00	72
73	11340.00	97010.00	-27280.00	118200.00	-680.00	120700.00	73
74	11340.00	81520.00	-7888.00	100600.00	6368.00	96930.00	74
76	10430.00	78780.00	-6992.00	97870.00	4160.00	94720.00	76
77	10430.00	85170.00	-11050.00	106400.00	-2440.00	106600.00	77
78	17720.00	77880.00	-10600.00	96970.00	-3768.00	90310.00	78

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TSGW 24300 TBCG 4+4 FWD FLIGHT DATE 09/01/77

EVNT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	331600.00	14850.00	378700.00	316800.00	1744.00	93780.00	2
3	284500.00	9040.00	302600.00	256100.00	1296.00	73780.00	3
4	309700.00	9688.00	323200.00	296100.00	408.00	69340.00	4
5	325500.00	12260.00	350300.00	318000.00	3079.00	58670.00	5
6	274800.00	20010.00	294800.00	250900.00	3512.00	72440.00	6
7	256700.00	12260.00	279300.00	244500.00	2184.00	80890.00	7
8	238700.00	14850.00	256100.00	221200.00	400.00	91550.00	8
9	249000.00	13560.00	270300.00	226400.00	1744.00	85780.00	9
10	274800.00	13550.00	288400.00	256100.00	3512.00	84890.00	10
11	282600.00	16140.00	298700.00	263800.00	6624.00	89780.00	11
12	317400.00	23880.00	341300.00	278000.00	15360.00	117800.00	12
13	321900.00	23230.00	355500.00	289600.00	23510.00	116400.00	13
14	330300.00	30340.00	365800.00	284500.00	12400.00	125800.00	14
15	346400.00	23230.00	372300.00	307700.00	19520.00	95550.00	15
16	279300.00	11620.00	250900.00	225100.00	4408.00	83110.00	16
17	313500.00	9688.00	323200.00	288400.00	5744.00	67550.00	17
18	326100.00	11620.00	344500.00	321900.00	7968.00	55550.00	18
19	279300.00	15500.00	301300.00	250900.00	11510.00	114200.00	19
20	282500.00	18720.00	301300.00	248300.00	25290.00	132400.00	20
21	237400.00	12260.00	249600.00	216100.00	408.00	80890.00	21
22	222200.00	12260.00	244500.00	213500.00	-480.00	88000.00	22
23	245800.00	14200.00	260000.00	223800.00	848.00	96450.00	23
24	245800.00	14200.00	249000.00	226400.00	2624.00	101800.00	24
25	254800.00	15500.00	272900.00	234100.00	2184.00	106700.00	25
26	249600.00	17430.00	287100.00	231600.00	12850.00	119100.00	26
27	283200.00	23240.00	309000.00	240600.00	19070.00	125300.00	27
28	272900.00	19360.00	310300.00	239300.00	14180.00	122200.00	28
29	316800.00	20660.00	337400.00	240600.00	19070.00	124400.00	29
30	289600.00	24530.00	319300.00	238000.00	11520.00	135600.00	30
31	290300.00	18720.00	311600.00	253500.00	11960.00	93340.00	31
32	302600.00	28400.00	331000.00	247000.00	-1816.00	94660.00	32
33	270900.00	30340.00	332200.00	240600.00	24400.00	113800.00	33
34	276700.00	14200.00	293500.00	253500.00	7072.00	85780.00	34
35	284500.00	19360.00	310300.00	257400.00	4400.00	92000.00	35
36	271600.00	28400.00	311600.00	219900.00	8848.00	138200.00	36
37	344500.00	42600.00	407100.00	214800.00	17290.00	112900.00	37
38	349700.00	50340.00	422600.00	218700.00	18180.00	148400.00	38
39	300000.00	5000.00	35000.00	271600.00	14630.00	98660.00	39
40	315500.00	41300.00	356800.00	270300.00	13300.00	101800.00	40
41	285100.00	43240.00	346400.00	241900.00	38180.00	126700.00	41
42	245100.00	38720.00	305100.00	190300.00	-40.00	92890.00	42
43	274800.00	27760.00	349000.00	165700.00	-10700.00	135600.00	43
44	334200.00	26460.00	386500.00	226400.00	3960.00	135100.00	44
45	319300.00	28400.00	398100.00	241900.00	1744.00	143600.00	45
46	228300.00	21300.00	293500.00	196700.00	-3152.00	121800.00	46
47	347100.00	49060.00	416200.00	190300.00	3512.00	114200.00	47
48	348400.00	20010.00	392900.00	284500.00	11960.00	92440.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TGW 24300 TCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
49	347700.00	25170.00	342900.00	269000.00	848.00	82220.00	49
50	149000.00	7096.00	187700.00	161900.00	2184.00	72890.00	50
51	146400.00	9032.00	172200.00	127000.00	848.00	77780.00	51
52	29000.00	25000.00	340000.00	250000.00	-6255.00	69780.00	52
53	30830.00	21300.00	62460.00	9534.00	-8926.00	74230.00	53
54	31480.00	28400.00	74060.00	-16280.00	408.00	85340.00	54
55	37290.00	21300.00	75360.00	498.00	408.00	77340.00	55
56	44960.00	27100.00	272900.00	18570.00	-7600.00	83550.00	56
57	46510.00	40020.00	116700.00	498.00	-6704.00	73780.00	57
58	46000.00	17000.00	125000.00		-6257.00	66220.00	58
59	108900.00	36140.00	387800.00	18570.00	4400.00	77780.00	59
60	12760.00	21300.00	27930.00	-18870.00	-2255.00	58670.00	60
61	66330.00	47760.00	114100.00	-8538.00	-4039.00	67560.00	61
62	44390.00	39370.00	120900.00	6952.00	-8479.00	64000.00	62
63	42440.00	39360.00	81810.00	-35650.00	-1816.00	71560.00	63
64	44960.00	32270.00	88270.00	-9829.00	-2712.00	94660.00	64
65	50190.00	32910.00	127000.00	498.00	3960.00	83560.00	65
66	45680.00	32910.00	248700.00	27610.00	-4477.00	60000.00	66
67	238700.00	13550.00	253500.00	212200.00	-2704.00	81330.00	67
68	274100.00	30340.00	325800.00	240600.00	-928.00	85780.00	68
69	328400.00	27110.00	389000.00	278000.00	9288.00	140400.00	69
70	285100.00	17430.00	315500.00	240600.00	3512.00	86660.00	70
71	309000.00	18070.00	342600.00	281900.00	4856.00	88890.00	71
72	316800.00	18070.00	354200.00	287100.00	12850.00	100400.00	72
73	334800.00	25820.00	340600.00	287100.00	8408.00	126200.00	73
74	318000.00	23230.00	350300.00	271600.00	21290.00	110700.00	74
76	304400.00	23230.00	347700.00	274200.00	16850.00	115100.00	76
77	333500.00	33570.00	367100.00	275400.00	-488.00	120900.00	77
78	333500.00	25820.00	349400.00	46970.00	9296.00	85330.00	78

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TGW 24300 TBCR 4+4 FWD FLIGHT DATE 09/01/77

EVENT	49170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-2992.00	98820.00	-7072.00	87300.00	2120.00	88230.00	2
3	2056.00	76950.00	-9322.00	69750.00	7551.00	69220.00	3
4	4580.00	68540.00	-8424.00	66150.00	8454.00	63790.00	4
5	4584.00	58450.00	-9324.00	58050.00	10270.00	53840.00	5
6	-48.00	75700.00	-8872.00	66600.00	6647.00	68310.00	6
7	-2152.00	87050.00	-7080.00	74700.00	3936.00	78270.00	7
8	-1304.00	96300.00	-9776.00	82800.00	4832.00	86420.00	8
9	-2576.00	89980.00	-7976.00	78300.00	3928.00	80090.00	9
10	-2152.00	92090.00	-7976.00	77400.00	4384.00	83250.00	10
11	-2992.00	95460.00	-4376.00	81900.00	2120.00	88230.00	11
12	-4352.00	122400.00	11380.00	108400.00	-592.00	114500.00	12
13	-3840.00	120700.00	14530.00	113400.00	3928.00	111800.00	13
14	-11400.00	125700.00	11380.00	116500.00	-8288.00	116700.00	14
15	-4248.00	99240.00	14970.00	96740.00	-600.00	97270.00	15
16	-4256.00	89150.00	-7520.00	76940.00	3024.00	80990.00	16
17	-464.00	68540.00	-3920.00	65250.00	5745.00	61980.00	17
18	-42.00	53830.00	-317.00	56250.00	7556.00	50220.00	18
19	-13510.00	106800.00	2376.00	103900.00	-6928.00	98180.00	19
20	-13500.00	122800.00	-1224.00	109300.00	-7384.00	100400.00	20
21	-1312.00	87890.00	-12470.00	74700.00	7096.00	79620.00	21
22	-1312.00	93780.00	-12470.00	79190.00	7552.00	84610.00	22
23	-2152.00	101300.00	-11130.00	85940.00	6640.00	90940.00	23
24	-3408.00	106000.00	-8872.00	89990.00	4384.00	94110.00	24
25	-4680.00	111400.00	-7528.00	94040.00	2568.00	98630.00	25
26	-5936.00	116100.00	-8872.00	101700.00	1208.00	103600.00	26
27	-4352.00	120700.00	8680.00	122800.00	4840.00	109900.00	27
28	-16450.00	113100.00	4176.00	117400.00	312.00	107200.00	28
29	-12660.00	120300.00	7776.00	121000.00	-1048.00	114900.00	29
30	-13080.00	123200.00	3272.00	130900.00	-2408.00	114500.00	30
31	-3832.00	99660.00	2824.00	86390.00	3472.00	93200.00	31
32	-2992.00	99660.00	-16070.00	89100.00	2120.00	92740.00	32
33	-7624.00	106800.00	5968.00	98540.00	-6936.00	95460.00	33
34	-3416.00	87460.00	-5272.00	79190.00	6192.00	79630.00	34
35	-2992.00	97980.00	-6176.00	81890.00	760.00	90490.00	35
36	-13930.00	131600.00	576.00	134500.00	-12810.00	116700.00	36
37	-16020.00	111000.00	8224.00	102600.00	-7840.00	100900.00	37
38	-24860.00	151000.00	21730.00	127800.00	-32720.00	128500.00	38
39	-12660.00	99240.00	4176.00	92240.00	-11910.00	92300.00	39
40	-8464.00	100100.00	8224.00	87300.00	4376.00	96820.00	40
41	2472.00	137900.00	14980.00	110200.00	11170.00	114500.00	41
42	-9720.00	97980.00	-8432.00	87740.00	-144.00	91390.00	42
43	-14770.00	140900.00	-21470.00	128700.00	-7832.00	131700.00	43
44	-26120.00	139600.00	-776.00	130500.00	-24580.00	133000.00	44
45	-23180.00	143400.00	-4824.00	131800.00	-19150.00	132100.00	45
46	-16450.00	122400.00	-12920.00	114700.00	-6936.00	111800.00	46
47	-12660.00	118600.00	-1672.00	105300.00	-6480.00	107700.00	47
48	4152.00	91670.00	1472.00	84140.00	11170.00	83700.00	48

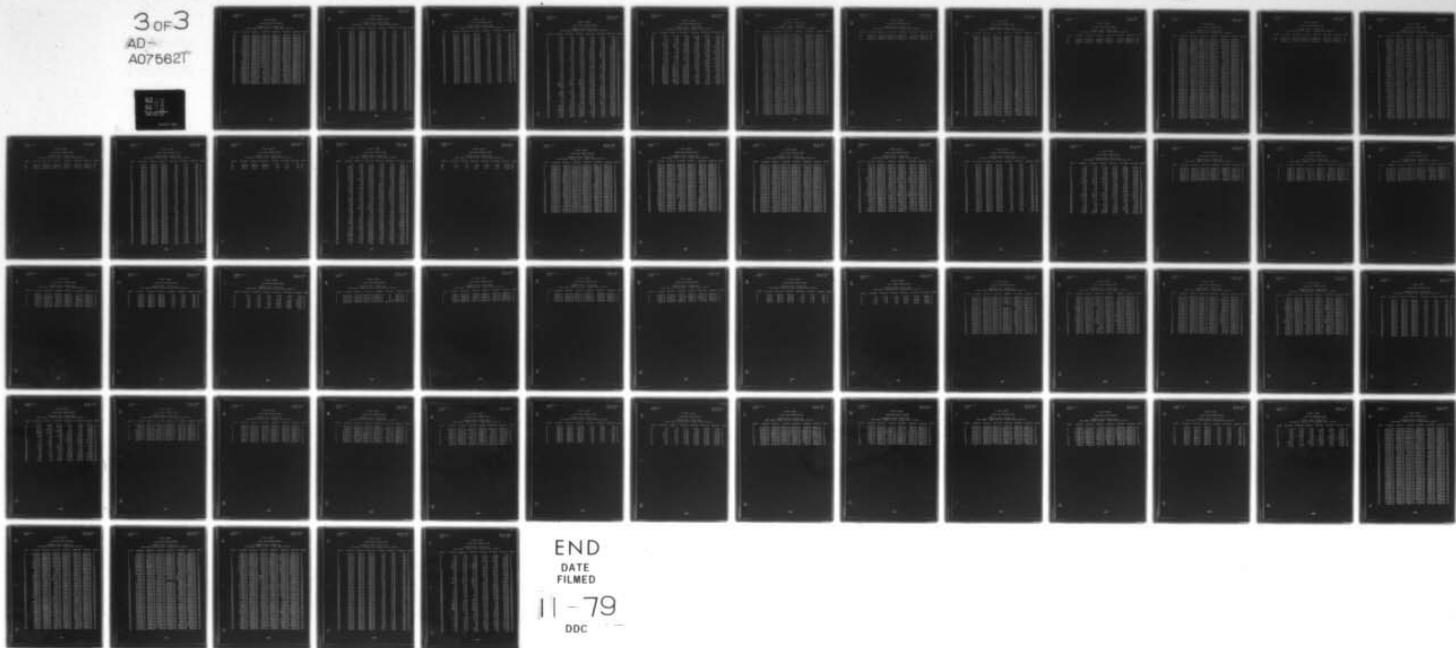
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CH-46 COMPOSITE ROTOR BLADE FLIGHT STRESS SURVEY DATA, VOLUME X--ETC(U)
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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TGW 24300 TCG 4+4 FWD FLIGHT DATE 09/01/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
49	368.00	89570.00	-12930.00	79650.00	6648.00	83700.00	49
50	-472.00	75270.00	-12920.00	66150.00	10720.00	67860.00	50
51	1208.00	81160.00	-15170.00	72000.00	12530.00	75100.00	51
52	3736.00	73590.00	-17420.00	67950.00	15240.00	67860.00	52
53	2472.00	72330.00	-25970.00	73790.00	10270.00	71940.00	53
54	2472.00	77370.00	-17420.00	85940.00	8000.00	76910.00	54
55	-4776.00	74860.00	-21920.00	76950.00	12980.00	73740.00	55
56	-1312.00	84530.00	-24170.00	83700.00	9360.00	82800.00	56
57	1632.00	78210.00	-28220.00	75140.00	8904.00	77820.00	57
58	-10140.00	63080.00	-27320.00	69750.00	5743.00	67410.00	58
59	1208.00	76950.00	-8874.00	72900.00	11620.00	73290.00	59
60	10050.00	55500.00	-19670.00	64800.00	27460.00	61980.00	60
61	7525.00	69800.00	-25520.00	68850.00	26100.00	68760.00	61
62	2474.00	63910.00	-25520.00	73350.00	15700.00	71940.00	62
63	-56.00	72330.00	-20570.00	81000.00	23840.00	74650.00	63
64	-12660.00	87460.00	-23720.00	101200.00	13880.00	80980.00	64
65	-5096.00	87460.00	-13820.00	81440.00	9808.00	79630.00	65
66	5425.00	57610.00	-20120.00	63450.00	15700.00	61980.00	66
67	-3416.00	84100.00	-14720.00	76050.00	5736.00	75560.00	67
68	-3408.00	92510.00	-11570.00	80100.00	3928.00	83700.00	68
69	-21080.00	147200.00	576.00	132700.00	-17340.00	133900.00	69
70	-6360.00	88730.00	-8424.00	79640.00	5288.00	80540.00	70
71	-4672.00	93780.00	-7528.00	81450.00	2120.00	85510.00	71
72	-4256.00	101800.00	3720.00	89100.00	2120.00	91850.00	72
73	-18550.00	127800.00	-1672.00	116100.00	-12820.00	120400.00	73
74	-4672.00	113100.00	10020.00	101700.00	4384.00	102300.00	74
76	-2992.00	114000.00	8232.00	108000.00	7096.00	101400.00	76
77	-17300.00	124000.00	1472.00	113800.00	-11000.00	119400.00	77
78	2472.00	85780.00	-4832.00	80540.00	9360.00	78270.00	78

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AIRCRAFT SLP1 FLIGHT 142
TSGW 24300 TBCG 4+4 FWD FLIGHT DATE 09/01/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.80	265.80	264.40	1.02	1.12	.98	2
3	265.40	265.60	264.90	.97	1.00	.95	3
4	264.80	265.30	264.60	.99	1.02	.98	4
5	264.80	265.30	264.60	1.01	1.02	1.00	5
6	265.30	265.40	264.60	1.00	1.02	.99	6
7	264.80	265.30	264.40	1.02	1.04	.97	7
8	264.80	265.80	264.60	1.01	1.06	.98	8
9	264.60	265.40	263.70	.98	1.02	.91	9
10	264.70	265.10	264.40	1.01	1.01	.97	10
11	264.40	265.30	264.30	.95	1.03	.94	11
12	264.70	265.30	264.40	1.02	1.07	.99	12
13	264.80	265.30	264.10	1.01	1.06	.92	13
14	264.60	265.60	263.90	1.04	1.09	.83	14
15	264.80	265.30	264.10	.97	1.08	.93	15
16	250.30	250.30	249.30	1.02	1.03	.99	16
17	248.70	249.10	248.60	1.00	1.04	.99	17
18	249.30	249.50	248.80	.99	1.01	.97	18
19	249.60	250.20	248.20	.98	1.06	.93	19
20	248.90	249.50	247.70	.97	1.06	.93	20
21	264.80	265.30	264.40	.99	1.02	.98	21
22	264.80	265.10	264.40	1.01	1.02	.99	22
23	264.90	265.80	264.60	1.02	1.04	1.00	23
24	265.30	265.60	264.40	.98	1.02	.92	24
25	265.40	265.80	264.60	.97	1.02	.95	25
26	265.30	266.00	264.40	.97	1.01	.91	26
27	264.70	266.00	263.30	1.16	1.23	1.00	27
28	264.70	266.20	263.70	1.14	1.24	.94	28
29	264.50	266.00	263.30	1.08	1.21	1.00	29
30	266.10	266.80	263.50	1.02	1.27	.94	30
31	264.80	265.40	264.30	1.05	1.06	.98	31
32	264.80	266.00	264.30	.96	1.08	.88	32
33	264.10	265.40	263.10	1.00	1.05	.92	33
34	264.90	265.60	264.10	1.00	1.02	.92	34
35	264.40	265.60	264.10	.93	1.04	.90	35
36	265.80	268.60	264.10	1.06	1.31	.72	36
37	268.30	271.40	262.40	1.27	1.36	.90	37
38	267.20	271.10	263.70	1.18	1.44	.87	38
39	264.60	265.40	264.30	1.02	1.06	.94	39
40	265.30	265.80	264.40	.97	1.03	.92	40
41	263.70	266.00	263.10	.95	1.02	.84	41
42	265.00	267.00	263.10	1.09	1.25	.96	42
43	266.60	268.20	261.80	1.31	1.39	.98	43
44	264.00	266.40	262.90	1.20	1.46	.97	44
45	264.50	266.80	262.90	1.09	1.42	.94	45
46	266.50	269.40	262.40	1.00	1.37	.76	46
47	265.10	271.80	262.60	1.18	1.50	.87	47
48	264.70	265.40	264.10	1.17	1.24	1.03	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TGW 24300 TACG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
49	264.70	265.60	264.30	1.02	1.19	.97	49
50	264.80	265.60	263.70	.96	1.01	.93	50
51	265.50	266.20	264.10	1.10	1.13	1.02	51
52	264.80	265.60	263.50	1.09	1.11	.97	52
53	275.40	283.80	271.90	1.02	1.07	.93	53
54	280.60	286.10	277.10	1.15	1.44	.91	54
55	269.00	280.90	257.10	1.07	1.34	.95	55
56	258.40	278.60	251.40	1.29	1.53	1.01	56
57	280.60	284.10	274.60	1.43	1.69	.95	57
58	262.00	281.40	253.70	1.47	1.55	.88	58
59	260.40	276.70	252.80	1.16	1.35	.92	59
60	275.30	277.10	272.60	.98	1.02	.92	60
61	271.60	294.40	270.60	.97	1.38	.93	61
62	265.00	282.50	256.60	.91	1.64	.79	62
63	282.80	288.60	260.70	1.14	1.44	.65	63
64	280.80	286.90	269.60	1.56	1.74	.94	64
65	287.10	298.30	257.90	1.74	1.93	.96	65
66	265.80	279.30	253.00	1.21	1.50	.90	66
67	264.80	265.10	264.40	1.03	1.11	.98	67
68	264.30	264.60	263.90	1.17	1.19	1.12	68
69	265.40	267.20	263.90	1.53	1.60	1.33	69
70	264.80	265.40	263.70	1.12	1.17	1.08	70
71	263.90	265.10	263.30	1.10	1.17	1.05	71
72	264.30	264.60	264.10	1.22	1.23	1.15	72
73	264.80	266.20	264.30	1.25	1.34	1.19	73
74	264.70	265.60	264.10	.99	1.19	.94	74
76	264.80	265.40	264.40	1.14	1.20	1.11	76
77	264.90	266.00	264.10	1.25	1.36	1.13	77
78	264.30	269.60	259.80	1.00	1.13	.95	78

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AIRCRAFT SLP1 FLIGHT 142
TSGW 24300 TBCG 4+4 FWD FLIGHT DATE 09/01/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	-0.40	1.40	-3.34	-6.35	4.66	-7.50	2
3	-0.07	.25	.89	.80	2.34	.12	3
4	-0.15	.09	.56	3.29	3.71	1.66	4
5	-0.07	.58	.89	3.29	3.63	2.43	5
6	-0.07	.09	-1.05	.89	1.92	.55	6
7	-0.07	.09	.40	.27	.80	.65	7
8	-0.15	.42	-1.22	.40	1.32	-1.68	8
9	-1.13	-2.24	-1.71	-2.45	-3.31	-2.88	9
10	-0.07	.58	.40	-1.68	.57	-2.71	10
11	-0.07	.42	.56	-4.29	-1.77	-4.68	11
12	-1.38	-2.24	-1.54	-3.52	-2.28	-4.08	12
13	.83	1.72	.73	-3.22	-1.34	-5.79	13
14	-1.13	1.07	-1.87	-3.35	-2.19	-7.25	14
15	1.32	2.21	-1.22	-2.32	.12	-3.39	15
16	.34	1.07	.07	-1.00	.20	-1.34	16
17	.09	.42	.89	.87	.29	-1.42	17
18	-0.07	.09	-1.05	1.15	3.20	.48	18
19	.01	1.56	.73	-2.58	-1.68	-4.25	19
20	-0.15	1.72	-1.38	-5.45	-2.62	-6.22	20
21	.66	1.72	.40	.52	.29	-1.00	21
22	.74	1.40	.09	-1.64	.74	-2.19	22
23	-0.07	.58	.73	-1.94	-1.42	-2.71	23
24	-0.07	.91	.40	-3.52	-1.94	-4.25	24
25	1.40	2.54	1.07	-4.12	-3.31	-4.68	25
26	.83	1.56	.25	-5.70	-4.08	-6.13	26
27	-0.07	5.97	-29.96	-2.28	1.92	-4.93	27
28	11.93	30.47	-3.18	-2.41	3.46	-2.97	28
29	-22.62	6.95	-34.70	-1.72	1.74	-6.73	29
30	20.42	36.35	-6.44	3.29	4.91	-2.97	30
31	-0.89	.74	-2.69	-1.51	-1.08	-2.71	31
32	.09	.42	.89	-4.34	-1.42	-4.85	32
33	.01	1.56	.73	-2.58	-1.94	-3.39	33
34	6.62	7.11	3.19	-3.39	-2.02	-3.82	34
35	-5.55	-4.65	-7.59	-3.86	-2.54	-4.25	35
36	-1.46	.25	-2.20	-6.90	2.26	-12.04	36
37	.09	.74	.89	-1.94	-1.34	-2.71	37
38	.42	1.07	.40	-1.08	.37	-2.79	38
39	-0.07	1.40	.56	-2.11	-1.77	-3.22	39
40	.01	1.23	-1.22	-5.40	-2.97	-6.30	40
41	.99	2.05	.89	-5.02	-3.73	-5.28	41
42	-20.57	-0.24	-31.11	2.69	4.48	-2.79	42
43	9.97	34.39	-1.71	.12	3.11	-3.82	43
44	-19.35	-1.54	-47.93	1.53	2.60	-2.02	44
45	15.04	44.03	-2.52	1.32	4.48	-2.19	45
46	-1.05	1.07	-1.87	-10.63	10.82	-14.95	46
47	-0.24	1.56	-2.03	.07	.97	-2.54	47
48	-16.24	-2.69	-31.27	4.36	14.07	2.43	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TOW 24300 TBCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
49	5.48	31.94	-3.01	8.42	10.22	.03	49
50	-.07	.25	-.73	-2.15	-1.00	-2.62	50
51	-.07	2.05	-.24	.55	1.15	-.74	51
52	.42	.58	.09	.63	.89	-.05	52
53	-1.71	-1.54	-2.69	5.64	6.03	2.86	53
54	-11.10	-6.61	-44.50	3.50	6.28	.89	54
55	18.87	40.11	3.52	2.22	10.48	-24.54	55
56	.25	5.81	-2.52	-3.86	14.25	-17.61	56
57	-.24	.58	-1.22	6.41	7.48	4.83	57
58	-17.14	1.56	-51.53	-8.40	2.94	-18.72	58
59	3.52	4.34	-4.48	-3.35	18.36	-19.41	59
60	-.07	.91	-.24	4.78	5.17	4.23	60
61	17.40	34.55	4.99	4.23	7.82	2.60	61
62	-11.51	-6.93	-46.95	-7.55	.55	-13.07	62
63	2.05	3.03	-1.05	5.17	10.56	-3.39	63
64	8.91	9.73	1.23	1.66	3.80	1.68	64
65	17.97	47.95	.42	6.54	13.13	-15.04	65
66	-11.42	-1.71	-14.45	20.67	22.46	1.23	66
67	-16.33	-15.10	-17.55	-2.41	1.06	-2.97	67
68	-25.64	-25.07	-27.68	2.47	3.11	2.00	68
69	-46.54	-42.21	-49.73	-2.54	4.23	-7.16	69
70	-21.23	-19.68	-21.80	.63	1.74	-.40	70
71	-26.54	-25.72	-27.35	.12	1.74	-.57	71
72	-37.07	-36.01	-38.13	2.64	4.31	1.23	72
73	-40.83	-40.58	-43.69	-3.52	.63	-4.68	73
74	-14.04	-12.65	-15.75	-1.00	1.40	-2.45	74
76	-29.31	-28.00	-30.29	5.56	6.45	4.66	76
77	-43.28	-39.60	-43.69	1.32	5.43	-3.56	77
78	2.79	6.95	-8.73	9.19	12.28	-.74	78

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TGW 24300 TBCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	A1200SDY	61200ALT	A1200MAX	61200MIN	41160SDY	41160ALT	EVENT
1	178200.00	11700.00	149000.00	158700.00	-1684.00	40230.00	1
2	278900.00	21450.00	343200.00	178200.00	-3025.00	39780.00	2
3	293900.00	15590.00	313400.00	260100.00	-1684.00	42020.00	3
4	272400.00	14940.00	327600.00	210700.00	552.00	41570.00	4
5	274400.00	26000.00	322400.00	228900.00	-1636.00	80460.00	5
6	230200.00	41590.00	329400.00	61220.00	4568.00	92980.00	6
7	243300.00	27940.00	318600.00	163900.00	-3032.00	85380.00	7
8	252300.00	33790.00	286100.00	44320.00	-792.00	90300.00	8
9	282200.00	22100.00	318600.00	208100.00	-3480.00	84940.00	9
10	210700.00	14300.00	242800.00	165200.00	-7952.00	88510.00	10
11	208100.00	10400.00	223700.00	191200.00	-5720.00	83590.00	11
12	159300.00	11050.00	184700.00	145700.00	-5712.00	81810.00	12
13	141900.00	12350.00	183400.00	118400.00	-5712.00	86270.00	13
14	174300.00	10400.00	202900.00	163900.00	-4376.00	84040.00	14
15	182700.00	12350.00	201600.00	144400.00	-4358.00	83820.00	15
16	199600.00	11050.00	213300.00	183400.00	-3480.00	84040.00	16
17	230200.00	11700.00	253600.00	217200.00	544.00	82700.00	17
18	247700.00	18840.00	297800.00	212000.00	2336.00	88060.00	18
19	292600.00	18190.00	318600.00	262700.00	3224.00	83380.00	19
20	245900.00	18850.00	312100.00	160000.00	544.00	82700.00	20
21	234700.00	17540.00	297800.00	208100.00	-4816.00	94320.00	21
22	271100.00	13650.00	293900.00	244500.00	-2584.00	84940.00	22
23	106000.00	7152.00	113200.00	82000.00	-4816.00	78220.00	23
24	87860.00	8448.00	102800.00	30020.00	-4816.00	73760.00	24
25	204800.00	14940.00	241900.00	49520.00	-6160.00	90300.00	25
26	243800.00	16250.00	282200.00	195100.00	-1688.00	96550.00	26
27	235400.00	18190.00	273100.00	139000.00	96.00	89410.00	27
28	152200.00	10400.00	183400.00	140500.00	-3480.00	81350.00	28
29	154800.00	13000.00	147800.00	124900.00	5022.00	52300.00	29
30	145200.00	10400.00	187300.00	148300.00	5916.00	48730.00	30
31	174900.00	8448.00	191200.00	165200.00	5469.00	47380.00	31
32	197000.00	9752.00	209400.00	167800.00	8598.00	53200.00	32
33	211300.00	11040.00	228900.00	192500.00	7257.00	55430.00	33
34	236700.00	16900.00	242700.00	199000.00	9043.00	65260.00	34
35	240700.00	16250.00	240000.00	204200.00	7255.00	67050.00	35
36	293900.00	19500.00	325100.00	270500.00	11720.00	69730.00	36
37	304300.00	18190.00	325100.00	176900.00	9933.00	67940.00	37
38	235400.00	20800.00	280900.00	199000.00	8593.00	63020.00	38
39	100800.00	12350.00	127500.00	87200.00	9492.00	52300.00	39
40	48220.00	9098.00	66400.00	27420.00	7258.00	42910.00	40
41	155400.00	14940.00	287400.00	41720.00	5449.00	57220.00	41
42	210700.00	33790.00	280900.00	40420.00	-3032.00	86280.00	42
43	200300.00	35100.00	242600.00	49520.00	-792.00	83140.00	43
44	271800.00	15590.00	300400.00	126200.00	-9283.00	40680.00	44
45	304900.00	13650.00	327600.00	204200.00	-1236.00	36210.00	45
46	246400.00	14950.00	240000.00	162600.00	-789.00	37550.00	46
47	221700.00	12350.00	243200.00	209400.00	7257.00	57220.00	47

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TSGW 24300 TSGR 1.5 AFT FLIGHT DATE 09/02/77

EVENT	41200SDY	61200ALT	61200MAX	61200MIN	41160SDY	41160ALT	EVENT
48	245300•00	15600•00	282200•00	244500•00	7701•00	65710•00	48
49	317900•00	22740•00	348400•00	295200•00	10830•00	74200•00	49
50	347800•00	42250•00	405600•00	252300•00	11720•00	76880•00	50

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TGW 24300 TBCR 1.5 AFT FLIGHT DATE 09/02/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
1	-5295.00	41400.00	-5500.00	46320.00	-9096.00	48900.00	1
2	6990.00	39130.00	-2353.00	48570.00	5002.00	48900.00	2
3	7445.00	38680.00	-4152.00	50370.00	5443.00	48460.00	3
4	1530.00	40950.00	-1453.00	51270.00	5883.00	51550.00	4
5	7440.00	76900.00	-8656.00	93550.00	6760.00	90310.00	5
6	15180.00	90090.00	1240.00	106100.00	11600.00	102200.00	6
7	10620.00	82810.00	-10900.00	100300.00	6760.00	100000.00	7
8	12900.00	88720.00	-3712.00	103900.00	8080.00	103100.00	8
9	7432.00	80540.00	-4608.00	100300.00	6752.00	95600.00	9
10	9712.00	86450.00	-14050.00	103400.00	4552.00	105700.00	10
11	9712.00	79170.00	-11350.00	97140.00	4552.00	95160.00	11
12	8344.00	80540.00	-12700.00	94000.00	1032.00	96920.00	12
13	11080.00	86900.00	-15400.00	100300.00	5880.00	103500.00	13
14	9712.00	81900.00	-12700.00	97600.00	2352.00	96480.00	14
15	10170.00	85990.00	-14500.00	100300.00	2792.00	102200.00	15
16	9712.00	80990.00	-10460.00	98040.00	1912.00	96040.00	16
17	6976.00	80080.00	-7760.00	95340.00	5432.00	92520.00	17
18	5616.00	86600.00	-3264.00	103400.00	2792.00	99560.00	18
19	3344.00	87360.00	-560.00	100700.00	-1176.00	102600.00	19
20	4984.00	81900.00	1688.00	96700.00	4552.00	96040.00	20
21	12450.00	87360.00	-12260.00	111500.00	3672.00	105700.00	21
22	9256.00	81450.00	-10000.00	99390.00	4992.00	96480.00	22
23	12900.00	77800.00	-14060.00	89940.00	3232.00	93840.00	23
24	11080.00	75070.00	-19000.00	87700.00	1912.00	92520.00	24
25	8808.00	91000.00	-17660.00	106100.00	1472.00	108800.00	25
26	12440.00	90090.00	-9104.00	114700.00	5872.00	107100.00	26
27	9712.00	84620.00	-8656.00	105200.00	3672.00	99560.00	27
28	11990.00	79620.00	-12260.00	94450.00	3672.00	96040.00	28
29	5170.00	54600.00	-1903.00	62510.00	-284.50	63880.00	29
30	4990.00	47320.00	-3252.00	57570.00	596.50	55070.00	30
31	6535.00	48680.00	-1903.00	57120.00	2359.00	58590.00	31
32	4715.00	55050.00	2595.00	62510.00	-289.00	65650.00	32
33	4715.00	56870.00	1690.00	65210.00	-2056.00	68280.00	33
34	2432.00	68260.00	4392.00	76900.00	-2936.00	81500.00	34
35	4260.00	66430.00	1688.00	79610.00	-2496.00	80180.00	35
36	3800.00	73260.00	8440.00	84550.00	-2936.00	89430.00	36
37	4704.00	70530.00	6632.00	83660.00	-2496.00	84590.00	37
38	4713.00	64150.00	2136.00	75560.00	1032.00	78420.00	38
39	8810.00	53690.00	-1453.00	62060.00	-285.00	61240.00	39
40	7900.00	42770.00	-3702.00	53520.00	2800.00	51100.00	40
41	8810.00	55510.00	-1912.00	68810.00	1918.00	65200.00	41
42	10620.00	85540.00	-18100.00	101200.00	-296.00	98250.00	42
43	10620.00	80990.00	-12260.00	98050.00	1032.00	96040.00	43
44	1530.00	47320.00	-14500.00	48120.00	-8655.00	56390.00	44
45	11990.00	36850.00	-9098.00	44520.00	3681.00	44060.00	45
46	8355.00	38680.00	-11800.00	46320.00	156.00	49340.00	46
47	8351.00	58690.00	-1008.00	69710.00	2792.00	70490.00	47

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
T8GW 24300 T8CG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
48	4078.00	70070.00	-112.00	81410.00	1472.00	83260.00	48
49	8352.00	76900.00	5288.00	89500.00	1464.00	89430.00	49
50	9712.00	79170.00	2584.00	93100.00	6752.00	92960.00	50

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TGW 24300 TCCR 1.5 AFT FLIGHT DATE 09/02/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
1	267700.00	13470.00	297600.00	193000.00	-2623.00	29230.00	1
2	315500.00	21160.00	344300.00	204500.00	-2181.00	32330.00	2
3	319300.00	8336.00	345600.00	289200.00	-6609.00	36760.00	3
4	302000.00	11540.00	328900.00	219900.00	919.50	38090.00	4
5	361600.00	14750.00	394400.00	327700.00	-1738.00	56690.00	5
6	384000.00	33990.00	457200.00	214800.00	-3960.00	70410.00	6
7	327000.00	27570.00	417400.00	249400.00	464.00	82820.00	7
8	282100.00	44250.00	446900.00	137800.00	2680.00	95660.00	8
9	370000.00	12820.00	389200.00	343100.00	-1295.00	59790.00	9
10	311000.00	16670.00	340500.00	280200.00	912.00	83260.00	10
11	302000.00	11540.00	326400.00	290500.00	-416.00	75730.00	11
12	271900.00	13470.00	287900.00	253300.00	1800.00	73510.00	12
13	241100.00	14750.00	276400.00	219900.00	24.00	78820.00	13
14	244200.00	12180.00	276400.00	243000.00	1352.00	79270.00	14
15	258400.00	14100.00	285300.00	237900.00	464.00	85470.00	15
16	244100.00	11540.00	277600.00	244300.00	1360.00	81040.00	16
17	301400.00	13460.00	314800.00	284100.00	3120.00	78380.00	17
18	303900.00	18590.00	358400.00	273800.00	12860.00	97870.00	18
19	347500.00	18600.00	372600.00	326400.00	11100.00	87240.00	19
20	271200.00	33340.00	347400.00	222500.00	6232.00	83260.00	20
21	328300.00	21160.00	362300.00	277600.00	11980.00	127100.00	21
22	323800.00	16670.00	350800.00	284100.00	3120.00	88130.00	22
23	261300.00	10900.00	212200.00	172500.00	-3520.00	71740.00	23
24	124400.00	10900.00	182700.00	113500.00	-8392.00	73960.00	24
25	239200.00	21810.00	357200.00	145500.00	2240.00	93440.00	25
26	308400.00	17360.00	336600.00	261000.00	14640.00	116500.00	26
27	303900.00	18590.00	331500.00	270000.00	8440.00	105800.00	27
28	240300.00	13460.00	281500.00	246900.00	6676.00	70410.00	28
29	241600.00	14750.00	284100.00	239200.00	2248.00	33210.00	29
30	240300.00	9616.00	281500.00	245600.00	1363.00	27010.00	30
31	240300.00	8336.00	275100.00	252000.00	4020.00	32330.00	31
32	243500.00	8976.00	276400.00	250700.00	4020.00	39410.00	32
33	278300.00	8336.00	286600.00	262300.00	4906.00	42960.00	33
34	320600.00	31420.00	352000.00	263500.00	6234.00	54030.00	34
35	323800.00	28220.00	352000.00	281500.00	4906.00	59790.00	35
36	342400.00	19880.00	372600.00	321200.00	9776.00	64660.00	36
37	346300.00	16030.00	346100.00	237900.00	8886.00	61990.00	37
38	298800.00	23720.00	341800.00	268700.00	5348.00	57570.00	38
39	269700.00	12820.00	293800.00	187900.00	4463.00	31000.00	39
40	154400.00	21420.00	187900.00	125000.00	5348.00	30110.00	40
41	197500.00	21170.00	377700.00	145500.00	6234.00	43400.00	41
42	385400.00	26940.00	425100.00	166100.00	-1304.00	95210.00	42
43	380300.00	24370.00	430300.00	207100.00	5784.00	90790.00	43
44	296600.00	28220.00	309700.00	140400.00	4020.00	26130.00	44
45	302700.00	10900.00	327700.00	221200.00	2248.00	30560.00	45
46	249400.00	12820.00	287900.00	175000.00	34.00	33660.00	46
47	238500.00	13470.00	252000.00	214800.00	8448.00	65980.00	47

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
T8GW 24300 T8CR 1.5 AFT FLIGHT DATE 09/02/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
48	277000.00	18600.00	296900.00	254600.00	11540.00	69080.00	48
49	332200.00	25010.00	357200.00	302000.00	10650.00	80600.00	49
50	329600.00	41690.00	402000.00	255800.00	8880.00	92110.00	50

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TGW 24300 TCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
1	-1990.00	28940.00	-4939.00	26480.00	43.00	25260.00	1
2	-2435.00	32950.00	-5837.00	32770.00	-2213.00	32030.00	2
3	-1544.00	40070.00	-9877.00	36810.00	-4017.00	40150.00	3
4	-8669.00	37400.00	-10330.00	38150.00	-3566.00	38790.00	4
5	5581.00	55210.00	-8081.00	56560.00	2299.00	55480.00	5
6	2896.00	70350.00	-12580.00	69130.00	5000.00	67210.00	6
7	1120.00	83710.00	-8984.00	79000.00	4992.00	77140.00	7
8	9576.00	98410.00	-7192.00	91580.00	10410.00	91580.00	8
9	4690.00	58780.00	-11230.00	59700.00	5006.00	59090.00	9
10	680.00	85050.00	-6744.00	80340.00	7256.00	77590.00	10
11	-216.00	76140.00	-10780.00	72720.00	4549.00	67660.00	11
12	-2440.00	74810.00	-3600.00	75410.00	4096.00	66300.00	12
13	-3328.00	81040.00	-9435.00	73170.00	5000.00	71720.00	13
14	-1104.00	84160.00	-10780.00	73620.00	6352.00	74880.00	14
15	-2440.00	91720.00	-11230.00	79460.00	5896.00	82550.00	15
16	-2000.00	85940.00	-8984.00	75420.00	7704.00	75340.00	16
17	-2000.00	83260.00	-8987.00	72730.00	3640.00	75780.00	17
18	-10900.00	100200.00	3136.00	89330.00	-4024.00	93380.00	18
19	-6000.00	89060.00	3136.00	80350.00	488.00	82550.00	19
20	-2440.00	89050.00	-7640.00	77660.00	6352.00	83010.00	20
21	-17140.00	118000.00	4928.00	118000.00	-8984.00	111000.00	21
22	-2888.00	94840.00	-6736.00	81250.00	3640.00	87510.00	22
23	2008.00	74810.00	-13020.00	65990.00	12670.00	66760.00	23
24	-1992.00	77030.00	-20200.00	74970.00	6808.00	73530.00	24
25	-5112.00	99740.00	-10340.00	88430.00	936.00	90220.00	25
26	-20260.00	112200.00	1344.00	114500.00	-11250.00	105100.00	26
27	-12680.00	108200.00	-904.00	103200.00	-4024.00	101500.00	27
28	-2888.00	73460.00	-7190.00	67340.00	6353.00	65860.00	28
29	-3771.00	33400.00	-4042.00	30970.00	3201.00	30220.00	29
30	-4661.00	28050.00	-5388.00	26930.00	4555.00	26160.00	30
31	-4216.00	90280.00	-4490.00	33220.00	7261.00	31580.00	31
32	-1544.00	36510.00	-6734.00	39950.00	6358.00	37890.00	32
33	682.00	41410.00	11670.00	55660.00	8614.00	42850.00	33
34	-4216.00	56990.00	-5388.00	55660.00	4554.00	56840.00	34
35	-71460.00	120700.00	-2695.00	59250.00	4103.00	60000.00	35
36	-216.00	68120.00	-3144.00	60600.00	3649.00	63150.00	36
37	1573.00	61890.00	-3144.00	58800.00	3201.00	60000.00	37
38	2464.00	55660.00	-5837.00	58800.00	10410.00	57280.00	38
39	-1989.00	33400.00	-5388.00	30520.00	7261.00	30670.00	39
40	-3770.00	29830.00	-8081.00	33220.00	8614.00	29320.00	40
41	7361.00	46310.00	-4490.00	43090.00	5907.00	38340.00	41
42	2904.00	97960.00	-15270.00	95160.00	10860.00	92020.00	42
43	11360.00	93950.00	-8984.00	87980.00	18530.00	87970.00	43
44	-5552.00	26270.00	-5837.00	29180.00	2299.00	26610.00	44
45	-5997.00	30280.00	-9877.00	28730.00	2299.00	29320.00	45
46	-6887.00	34730.00	-9877.00	33220.00	3652.00	34280.00	46
47	-216.00	68120.00	-7637.00	60600.00	11770.00	60440.00	47

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TGW 24300 TCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	49170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
48	-564.00	69460.00	-3600.00	61950.00	7711.00	60900.00	48
49	-3336.00	77480.00	-2696.00	70020.00	2743.00	67660.00	49
50	-5872.00	88610.00	-5840.00	82140.00	2736.00	79390.00	50

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TOW 24300 TBCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
1	264.90	265.80	264.60	.99	1.03	.96	1
2	264.60	265.60	263.50	.96	1.07	.90	2
3	264.70	266.00	264.30	.99	1.01	.94	3
4	264.60	265.40	263.30	.99	1.03	.97	4
5	265.70	266.20	264.60	.99	1.04	.97	5
6	263.90	267.40	262.90	1.00	1.07	.94	6
7	265.30	266.60	264.60	1.04	1.08	.95	7
8	264.50	269.80	263.30	.96	1.16	.91	8
9	265.60	266.60	264.40	1.05	1.07	.98	9
10	265.10	265.80	264.40	1.05	1.13	.95	10
11	265.30	265.40	264.60	.99	1.01	.95	11
12	265.30	265.60	264.60	.99	1.04	.96	12
13	266.40	266.80	263.70	1.02	1.07	.94	13
14	265.10	265.60	264.40	.97	1.01	.93	14
15	264.70	266.20	264.10	1.04	1.12	.96	15
16	264.80	265.60	264.40	.96	1.02	.93	16
17	264.80	265.40	264.40	.98	1.02	.96	17
18	264.80	266.00	264.10	1.01	1.08	.90	18
19	264.80	266.00	264.60	.97	1.05	.93	19
20	266.60	266.80	264.40	1.02	1.06	.94	20
21	264.70	265.80	263.70	1.13	1.17	.95	21
22	265.50	266.00	264.40	.86	1.08	.80	22
23	266.30	266.40	266.00	.96	.99	.96	23
24	266.50	267.80	265.60	.93	1.04	.88	24
25	263.20	265.30	261.60	1.07	1.17	.90	25
26	264.60	266.40	263.70	1.00	1.19	.87	26
27	264.80	266.20	263.70	1.10	1.17	.95	27
28	265.60	266.00	264.60	1.02	1.07	.96	28
29	264.80	265.40	264.40	.98	1.04	.97	29
30	264.80	265.60	264.60	.97	1.01	.95	30
31	264.70	265.30	264.40	.98	1.01	.97	31
32	265.40	266.00	264.60	.95	1.06	.94	32
33	264.80	265.40	264.60	.99	1.02	.98	33
34	264.90	265.80	264.40	1.05	1.11	.90	34
35	265.20	266.40	264.10	.98	1.21	.93	35
36	264.80	265.40	264.60	1.00	1.05	.92	36
37	266.40	266.60	264.90	1.02	1.06	.94	37
38	264.80	266.20	264.10	1.03	1.14	.91	38
39	265.20	265.80	264.60	.98	1.04	.94	39
40	264.90	265.80	263.30	.96	1.03	.93	40
41	263.60	265.10	261.30	1.15	1.22	.99	41
42	265.40	267.20	263.30	1.01	1.13	.93	42
43	266.70	267.90	263.30	.98	1.06	.90	43
44	267.50	271.80	264.60	1.16	1.31	.73	44
45	264.10	265.40	263.10	1.02	1.05	.95	45
46	266.30	267.00	264.30	.99	1.09	.95	46
47	265.00	265.40	264.90	1.03	1.09	.94	47

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TGW 24300 TCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
48	264.80	265.30	264.60	1.02	1.07	.97	48
49	265.20	265.40	264.90	.98	1.04	.93	49
50	265.00	266.20	263.70	.95	1.23	.69	50

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TGW 24300 TACG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
1	.42	1.40	.72	4.99	5.38	3.81	1
2	-1.37	-.39	-3.16	6.72	7.55	5.03	2
3	-2.34	-2.02	-3.48	4.42	5.20	3.56	3
4	-4.22	.91	-5.27	5.07	6.59	3.99	4
5	-1.12	2.86	-2.99	-2.86	2.60	-3.65	5
6	-.96	1.89	-4.14	4.42	12.32	-3.65	6
7	-2.59	.75	-3.32	-4.30	3.30	-6.16	7
8	-.96	.42	-4.46	8.98	13.97	5.46	8
9	-1.45	1.56	-3.16	-.74	2.34	-3.30	9
10	5.63	12.14	-1.53	.56	3.73	-3.56	10
11	-.96	.59	-2.02	-1.04	-.52	-2.95	11
12	-.80	.42	-2.02	-1.09	.95	-2.00	12
13	.34	1.89	-1.20	-3.26	-.18	-3.73	13
14	-.06	.42	-1.20	-3.47	-2.08	-5.03	14
15	-1.04	15.89	-5.76	-2.26	2.51	-3.04	15
16	-.39	.59	-1.20	-5.12	-4.43	-5.99	16
17	1.07	1.73	-.55	-3.52	-3.30	-5.21	17
18	-.15	2.86	-1.69	-6.29	-4.08	-7.46	18
19	.50	3.03	-1.37	-6.81	-4.17	-7.11	19
20	.42	1.56	-1.20	-3.30	-2.26	-6.33	20
21	8.89	16.70	.59	-3.69	-1.39	-7.64	21
22	-2.43	9.05	-8.04	4.60	7.20	2.17	22
23	-.39	.26	-.88	-1.78	-1.04	-2.34	23
24	-.80	-.39	-2.34	-2.43	-.78	-3.21	24
25	-.88	-.23	-1.86	-3.47	.52	-6.07	25
26	1.40	9.05	-18.14	-.78	3.12	-8.68	26
27	1.64	22.89	-6.41	-2.65	.61	-6.16	27
28	-.23	.10	-.88	-2.73	-.61	-3.39	28
29	-.39	.42	-.55	3.95	4.68	3.56	29
30	-.23	.42	-.39	1.95	3.38	1.47	30
31	.10	.59	-.72	2.04	2.17	1.47	31
32	-.31	-.06	-2.18	2.30	2.60	-.35	32
33	1.48	2.21	-.06	-.17	.52	-.52	33
34	-.15	3.19	-1.04	-4.51	-1.04	-4.95	34
35	-3.73	2.70	-17.16	4.21	8.41	-3.39	35
36	.75	1.40	-1.53	-4.86	-3.04	-5.81	36
37	.99	3.19	-2.67	-.52	.52	-5.55	37
38	3.44	21.26	-4.79	5.25	5.81	-4.43	38
39	-.39	-.23	-1.04	2.08	3.38	1.56	39
40	-.80	.42	-2.34	7.50	8.07	3.56	40
41	-1.12	1.07	-1.86	.48	2.69	-.70	41
42	-1.86	.75	-3.97	6.42	7.37	.09	42
43	-2.99	-.39	-6.25	-.83	10.32	-6.51	43
44	1.73	4.82	-.39	5.16	5.90	3.03	44
45	-1.86	-1.04	-6.09	4.34	5.64	3.47	45
46	-1.77	-1.04	-2.51	4.90	5.90	4.60	46
47	.02	.10	-.06	-.00	.78	-1.82	47

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FLIGHT LOADS

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AIRCRAFT SLP1 FLIGHT 143
TGW 24300 TCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
48	.02	.10	-.06	-.83	-.09	-1.82	48
49	-.06	.10	-.23	-.96	-.09	-1.91	49
50	.02	.10	-.06	-1.00	-.09	-2.08	50

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 151
TGW 20800 TCG 9.7 AFT FLIGHT DATE 09/13/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	228200.00	9800.00	251000.00	198800.00	-5800.00	76340.00	2
3	156300.00	5880.00	146100.00	141300.00	-5792.00	73680.00	3
4	166800.00	7184.00	180500.00	153000.00	-3584.00	74130.00	4
5	197500.00	7832.00	206600.00	189600.00	-1360.00	70130.00	5
6	220300.00	9800.00	235300.00	197500.00	2192.00	70130.00	6
7	273900.00	13720.00	287600.00	244500.00	4408.00	72340.00	7
8	298100.00	16980.00	319000.00	269300.00	7518.00	72790.00	8
9	219700.00	15670.00	245500.00	204000.00	-1360.00	85220.00	9
10	242800.00	20900.00	317700.00	217100.00	856.00	77670.00	10
11	241200.00	18940.00	278500.00	168700.00	856.00	83000.00	11
12	248700.00	18940.00	311100.00	188300.00	4856.00	81670.00	12
13	136100.00	7840.00	157000.00	128200.00	-5352.00	75900.00	13
14	175900.00	8496.00	187000.00	167400.00	-2688.00	78560.00	14
15	199400.00	9792.00	209200.00	188300.00	-1800.00	77670.00	15
16	249700.00	10460.00	240200.00	236700.00	-1808.00	78560.00	16
17	239300.00	11750.00	253600.00	227500.00	-912.00	74130.00	17
18	209900.00	18940.00	270600.00	190900.00	-1808.00	83890.00	18
19	236000.00	13720.00	270600.00	204000.00	-1360.00	84340.00	19
20	142200.00	15680.00	235300.00	92940.00	-6688.00	85220.00	20
21	215100.00	7184.00	222300.00	145200.00	-6240.00	72350.00	21
22	131500.00	7184.00	153000.00	124300.00	5306.00	42170.00	22
23	155700.00	6536.00	142200.00	149100.00	3974.00	39950.00	23
24	187000.00	7840.00	198800.00	179200.00	4862.00	47050.00	24
25	206000.00	8488.00	215800.00	196200.00	5306.00	51040.00	25
26	222900.00	11100.00	238000.00	211800.00	6637.00	55040.00	26
27	283000.00	16340.00	307200.00	254900.00	7521.00	64800.00	27
28	211200.00	16340.00	249700.00	185700.00	6188.00	60800.00	28
29	230800.00	11100.00	247100.00	189600.00	9295.00	57700.00	29

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 151
TOWGW 20800 T6Cg 9.7 AFT FLIGHT DATE 09/13/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	8792.00	75020.00	-15580.00	90730.00	2576.00	91580.00	2
3	7437.00	72740.00	-9736.00	83990.00	2576.00	85420.00	3
4	8800.00	70460.00	-8384.00	85340.00	3456.00	83660.00	4
5	7435.00	66370.00	-4336.00	81300.00	5656.00	77050.00	5
6	7433.00	70010.00	1048.00	82200.00	6536.00	81460.00	6
7	3336.00	72280.00	2392.00	84440.00	3896.00	85860.00	7
8	3336.00	74100.00	5992.00	86230.00	3896.00	86740.00	8
9	8344.00	80920.00	-5240.00	100200.00	7416.00	93780.00	9
10	3336.00	77740.00	-1192.00	91620.00	1256.00	91140.00	10
11	5616.00	79100.00	-2552.00	97460.00	2136.00	90260.00	11
12	4704.00	80930.00	600.00	95220.00	2136.00	92900.00	12
13	7888.00	76830.00	-14670.00	87140.00	816.00	89820.00	13
14	7424.00	73650.00	-10630.00	89380.00	816.00	87180.00	14
15	6072.00	74100.00	-6136.00	89380.00	2136.00	84980.00	15
16	6520.00	72740.00	-6136.00	89380.00	4336.00	83660.00	16
17	4522.00	70010.00	-4792.00	83540.00	3448.00	79260.00	17
18	7888.00	81380.00	-7936.00	96560.00	5216.00	93340.00	18
19	7432.00	81830.00	-7936.00	98370.00	4776.00	92020.00	19
20	9704.00	82280.00	-14220.00	99260.00	808.00	98630.00	20
21	5608.00	71830.00	-14220.00	82190.00	-1832.00	85420.00	21
22	4710.00	43640.00	606.00	48510.00	-500.50	50640.00	22
23	3346.00	40460.00	606.00	46710.00	-2262.00	47990.00	23
24	2891.00	47280.00	2403.00	54800.00	-1381.00	55920.00	24
25	3346.00	53190.00	3750.00	60630.00	-1822.00	63400.00	25
26	4255.00	55920.00	2846.00	66020.00	-503.00	65610.00	26
27	1520.00	67740.00	3296.00	75460.00	-4472.00	78380.00	27
28	618.00	61370.00	5088.00	70960.00	-4472.00	71340.00	28
29	1073.00	60010.00	6890.00	67370.00	-4472.00	71340.00	29

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 151
T6GW 20800 T6CR 9.7 AFT FLIGHT DATE 09/13/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	347600.00	10880.00	358400.00	299600.00	-2744.00	72470.00	2
3	242000.00	55030.00	297000.00	187000.00	5656.00	78220.00	3
4	212600.00	10240.00	256100.00	202300.00	-1408.00	79980.00	4
5	251600.00	9600.00	246300.00	242000.00	352.00	75570.00	5
6	243700.00	12800.00	285500.00	250900.00	3000.00	81750.00	6
7	322600.00	19200.00	345600.00	298300.00	8312.00	80870.00	7
8	347600.00	19840.00	348700.00	327700.00	10510.00	85730.00	8
9	313000.00	19830.00	358400.00	271400.00	16710.00	117500.00	9
10	293200.00	30710.00	371200.00	262500.00	2560.00	122800.00	10
11	316200.00	24310.00	340500.00	222800.00	14500.00	111800.00	11
12	346000.00	25000.00	340000.00	250000.00	8304.00	125100.00	12
13	230000.00	10000.00	240000.00	210000.00	-2296.00	83510.00	13
14	242600.00	10880.00	256100.00	231700.00	-1856.00	86610.00	14
15	245000.00	15000.00	270000.00	250000.00	2128.00	90590.00	15
16	313700.00	16630.00	330300.00	295700.00	4776.00	89700.00	16
17	302100.00	15350.00	317500.00	285500.00	3896.00	86170.00	17
18	311100.00	25590.00	341800.00	279100.00	6104.00	143200.00	18
19	325000.00	20000.00	340000.00	280000.00	17590.00	135200.00	19
20	320000.00	25000.00	340000.00	150000.00	7432.00	148900.00	20
21	325000.00	10240.00	259900.00	212600.00	-2736.00	78660.00	21
22	234300.00	6400.00	243300.00	224100.00	3457.00	29170.00	22
23	258600.00	19200.00	277800.00	236900.00	2573.00	29170.00	23
24	270000.00	10000.00	280000.00	260000.00	4340.00	39770.00	24
25	272700.00	7680.00	285500.00	263700.00	5224.00	44190.00	25
26	240000.00	15000.00	310000.00	280000.00	5666.00	50820.00	26
27	375000.00	20000.00	390000.00	290000.00	2568.00	87500.00	27
28	274600.00	17280.00	323900.00	257300.00	10520.00	87500.00	28
29	302800.00	23670.00	330300.00	272700.00	6102.00	63630.00	29

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 151
T8GW 20800 T8CR 9.7 AFT FLIGHT DATE 09/13/77

EVENT	49170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-312.00	75530.00	-8097.00	67200.00	1840.00	66500.00	2
3	1016.00	81300.00	-8097.00	69890.00	6712.00	72260.00	3
4	3240.00	85300.00	-8097.00	73470.00	8040.00	75370.00	4
5	2352.00	79970.00	-8097.00	69890.00	7600.00	73150.00	5
6	1912.00	86630.00	-4520.00	76150.00	7152.00	80690.00	6
7	3680.00	82190.00	-488.00	71220.00	5384.00	75370.00	7
8	136.00	86630.00	1304.00	74810.00	944.00	78910.00	8
9	-12750.00	122600.00	5344.00	106600.00	-6144.00	113500.00	9
10	-10540.00	123100.00	-2272.00	116900.00	-11900.00	111300.00	10
11	-12750.00	114600.00	2656.00	114700.00	-4368.00	109100.00	11
12	-13650.00	121700.00	6240.00	120000.00	-15450.00	114800.00	12
13	-320.00	89740.00	-8096.00	76140.00	7600.00	79360.00	13
14	-1208.00	92410.00	-9881.00	75260.00	4944.00	82020.00	14
15	-4312.00	95510.00	-4064.00	80180.00	1832.00	86010.00	15
16	-4312.00	94630.00	-1384.00	78390.00	952.00	84230.00	16
17	-3872.00	89740.00	-3176.00	73020.00	-1264.00	80240.00	17
18	-10090.00	134200.00	-13470.00	120000.00	-11460.00	117000.00	18
19	-16750.00	118600.00	864.00	120900.00	-9688.00	109100.00	19
20	-18090.00	139500.00	-4512.00	122700.00	-20340.00	127700.00	20
21	-312.00	85300.00	-9889.00	70780.00	4496.00	75360.00	21
22	-751.50	28880.00	-1818.00	28670.00	5391.00	29260.00	22
23	-2529.00	28880.00	-922.00	28670.00	3618.00	28370.00	23
24	1026.00	38650.00	-1818.00	40320.00	6278.00	38130.00	24
25	1471.00	43540.00	-1370.00	44350.00	5834.00	43000.00	25
26	1026.00	51980.00	1318.00	47040.00	6721.00	50980.00	26
27	-11860.00	81750.00	-2272.00	83760.00	-7472.00	75810.00	27
28	-7424.00	82640.00	8920.00	81530.00	-2160.00	82020.00	28
29	-2535.00	64430.00	4006.00	58680.00	514.00	63400.00	29

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 151
TGW 2n800 TCG 9+7 AFT FLIGHT DATE 09/13/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.80	265.30	264.40	1.02	1.09	.91	2
3	264.80	265.80	264.40	.92	1.03	.92	3
4	264.70	265.10	264.40	1.06	1.07	.96	4
5	265.00	265.30	264.90	.98	.99	.97	5
6	264.80	266.00	264.60	.94	1.08	.92	6
7	265.30	265.40	264.40	1.00	1.03	.94	7
8	265.30	265.60	265.10	.95	1.05	.89	8
9	265.30	266.20	263.70	1.05	1.29	.97	9
10	264.70	266.20	264.40	1.16	1.36	.89	10
11	265.70	267.80	264.30	1.08	1.34	.97	11
12	265.40	267.40	263.70	.94	1.37	.88	12
13	265.20	265.60	264.60	1.02	1.04	.97	13
14	265.20	265.40	265.10	1.00	1.02	.99	14
15	265.70	265.80	264.90	1.03	1.04	1.01	15
16	265.00	265.10	264.90	1.01	1.02	.99	16
17	264.80	265.10	264.60	.90	.94	.90	17
18	264.80	266.00	264.30	.95	1.21	.87	18
19	264.80	265.40	264.40	1.12	1.19	.90	19
20	271.30	271.80	263.70	1.19	1.31	.95	20
21	264.70	266.00	263.50	.99	1.02	.95	21
22	266.00	266.00	265.60	1.00	1.02	.98	22
23	265.00	265.10	264.60	1.00	1.01	.99	23
24	265.00	265.10	264.90	.99	1.02	.98	24
25	265.00	265.10	264.90	.99	1.02	.99	25
26	264.80	265.30	264.60	.99	1.03	.98	26
27	263.90	264.30	263.30	.95	1.06	.90	27
28	265.10	265.80	264.30	1.06	1.17	.99	28
29	265.30	265.60	264.10	1.06	1.19	1.00	29

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 151
TGW 20800 TCCG 9.7 AFT FLIGHT DATE 09/13/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	-.19	1.11	-1.17	-2.44	-2.14	-7.81	2
3	-.36	.62	-.52	-5.14	-3.81	-5.31	3
4	-1.33	-.52	-1.49	-3.44	-3.23	-4.14	4
5	-.03	.30	-1.17	-4.81	-4.23	-5.23	5
6	1.27	1.44	-.03	-5.81	-4.39	-6.22	6
7	-.44	1.11	-.84	-6.56	-6.31	-7.81	7
8	-.60	.30	-1.17	-8.68	-7.39	-9.72	8
9	-15.01	7.95	-33.25	-4.93	-1.89	-8.06	9
10	1.52	33.02	-.19	-2.44	-.64	-5.97	10
11	-12.73	3.06	-40.90	-2.10	-.64	-5.48	11
12	19.02	36.93	1.92	-.81	2.94	-5.81	12
13	.38	.78	-.19	-3.89	-1.64	-4.31	13
14	-.36	.13	-.52	-3.93	-3.48	-4.31	14
15	-.36	-.19	-.84	-4.68	-4.39	-4.98	15
16	.62	1.11	.46	-6.93	-6.22	-7.14	16
17	-.11	.13	-1.17	-7.81	-6.72	-9.31	17
18	12.26	28.79	-2.31	-8.22	-.39	-9.47	18
19	-11.18	5.34	-30.48	-7.14	-4.81	-10.22	19
20	9.74	42.79	-.36	-1.19	.27	-5.31	20
21	-.36	-.19	-1.01	-4.10	-3.81	-4.64	21
22	-.03	.30	-.52	2.40	3.10	2.19	22
23	.87	1.11	.13	1.81	2.27	1.69	23
24	-.84	-.52	-1.01	-.48	.02	-.81	24
25	-.03	.46	-.36	-1.81	-1.56	-2.56	25
26	-.36	.46	-.52	-3.19	-2.64	-4.06	26
27	-.27	1.44	-1.49	-6.81	-3.64	-7.47	27
28	-18.19	5.83	-34.88	-4.52	.69	-6.31	28
29	2.33	29.44	-3.29	-1.10	.52	-3.81	29

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161
TSGW 20800 TBCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	41200SDY	61200ALT	41200MAX	61200MIN	41160SDY	41160ALT	EVENT
2	183200.00	16610.00	201000.00	160200.00	-8528.00	74620.00	2
3	152500.00	10220.00	188300.00	135900.00	-9888.00	76880.00	3
4	174100.00	9584.00	190800.00	166500.00	-5368.00	78700.00	4
5	256000.00	16600.00	277700.00	238100.00	-1288.00	79140.00	5
6	294300.00	19160.00	323600.00	275100.00	2776.00	81400.00	6
7	325600.00	30020.00	364500.00	295600.00	4584.00	88650.00	7
8	322400.00	34490.00	359400.00	287900.00	968.00	90460.00	8
9	224700.00	30020.00	293000.00	-22470.00	-8978.00	74170.00	9

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161
TGW 20800 TBCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	5896.00	75820.00	-14740.00	86510.00	1328.00	90700.00	2
3	1856.00	78060.00	-14740.00	88060.00	-976.00	93010.00	3
4	5896.00	77610.00	-10100.00	91140.00	1328.00	92240.00	4
5	9933.00	75360.00	-2376.00	94230.00	9016.00	92230.00	5
6	9488.00	78510.00	3800.00	95780.00	13630.00	90700.00	6
7	9928.00	83450.00	9200.00	108900.00	25160.00	109900.00	7
8	10820.00	85240.00	2300.00	109700.00	15170.00	99920.00	8
9	6900.00	79500.00	-14000.00	86000.00	2800.00	89200.00	9

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161
TGW 20800 TBCG 22+4 FWD FLIGHT DATE 09/30/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	250000.00	10000.00	240000.00	240000.00	-7344.00	43340.00	2
3	200000.00	5000.00	210000.00	180000.00	-5275.00	59680.00	3
4	200000.00	10000.00	210000.00	190000.00	-4488.00	68500.00	4
5	240000.00	10000.00	270000.00	240000.00	280.00	66120.00	5
6	290000.00	15000.00	300000.00	270000.00	772.00	64830.00	6
7	320000.00	25000.00	340000.00	300000.00	-1025.00	74630.00	7
8	320000.00	25000.00	340000.00	290000.00	1200.00	74800.00	8
9	290000.00	25000.00	240000.00	40000.00	2776.00	82870.00	9

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161
TGW 20800 TBCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	69170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	9917.00	41110.00	-6678.00	42240.00	4700.00	40100.00	2
3	3802.00	61800.00	-7520.00	53920.00	2450.00	53550.00	3
4	8525.00	75480.00	-5115.00	62580.00	7349.00	67850.00	4
5	5440.00	73280.00	482.00	61900.00	2252.00	67460.00	5
6	10000.00	70000.00	850.00	59150.00	680.00	67460.00	6
7	2760.00	80420.00	-2632.00	66630.00	-5600.00	73740.00	7
8	4000.00	77600.00	-2000.00	70000.00	-4000.00	74400.00	8
9	11700.00	86680.00	-6025.00	82030.00	10610.00	77390.00	9

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161
T6GW 20800 T6CG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	265.20	265.30	265.10	1.01	1.02	1.00	2
3	265.50	266.20	265.40	.99	1.03	.97	3
4	265.20	265.30	264.90	.98	1.03	.98	4
5	265.20	265.60	265.10	1.01	1.05	.96	5
6	265.00	265.10	264.90	1.03	1.04	.97	6
7	265.10	265.40	264.90	.99	1.07	.97	7
8	265.30	265.40	264.90	1.01	1.02	.97	8
9	267.80	268.90	261.60	.97	1.12	.85	9

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161
T6GW 20300 T6CG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	-.44	.05	-.60	2.82	4.06	2.40	2
3	-.20	1.51	-.60	1.45	2.57	.99	3
4	1.11	1.35	.21	-.29	.16	-1.74	4
5	.21	1.19	-.11	-3.40	-1.58	-3.82	5
6	.54	1.19	-.44	-4.23	-3.24	-4.56	6
7	.62	1.19	-.28	-5.64	-4.23	-6.47	7
8	.94	1.68	.70	-6.14	-5.89	-6.56	8
9	-.52	.70	-2.72	6.76	9.20	-.67	9

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162
T8GW 20800 T8CG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	A1200SDY	61200ALT	A1200MAX	61200MIN	41160SDY	41160ALT	EVENT
2	330000.00	15000.00	350000.00	280000.00	0.	68000.00	2
3	340000.00	20000.00	340000.00	320000.00	0.	70000.00	3
4	330000.00	25000.00	350000.00	260000.00	0.	68000.00	4
5	240000.00	30000.00	330000.00	260000.00	0.	68000.00	5
6	290000.00	35000.00	330000.00	240000.00	-1640.00	227700.00	6

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162
T8GW 20800 T8CG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	7096.00	80010.00	6216.00	99210.00	10550.00	95590.00	2
3	6184.00	81830.00	7792.00	100800.00	11340.00	96380.00	3
4	3912.00	88650.00	8568.00	106300.00	6640.00	104200.00	4
5	7088.00	90020.00	19600.00	104700.00	12130.00	108100.00	5
6	1408.00	232100.00	30000.00	130000.00	20000.00	125000.00	6

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162

TSGW 20800 TSCG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	49200SDY	49200ALT	49200MAX	*9200MIN	49160SDY	49160ALT	EVENT
2	306300.00	20170.00	327700.00	272200.00	3376.00	69760.00	2
3	308800.00	26460.00	352900.00	278500.00	1038.00	75590.00	3
4	301800.00	33400.00	347900.00	252100.00	2912.00	79330.00	4
5	279800.00	35290.00	390200.00	244500.00	2464.00	71580.00	5
6	400000.00	30000.00	330000.00	240000.00	3368.00	76140.00	6

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162
TBCGW 20800 TBCG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	49170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-1304.00	74700.00	6243.00	63410.00	-8714.00	69690.00	2
3	-5272.00	80440.00	1600.00	72690.00	-14130.00	75100.00	3
4	-3064.00	81770.00	824.00	76550.00	-11040.00	79740.00	4
5	-2184.00	75580.00	3920.00	70370.00	-7944.00	73560.00	5
6	1792.00	78670.00	-3816.00	71910.00	576.00	77420.00	6

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AIRCRAFT SLP1 FLIGHT 162
T6GW 20800 TBCG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.70	265.40	264.40	.92	1.09	.87	2
3	264.80	265.40	264.60	.99	1.10	.83	3
4	264.60	265.60	264.30	1.00	1.18	.87	4
5	265.40	266.00	264.90	.97	1.14	.91	5
6	265.80	266.20	264.90	1.08	1.19	.99	6

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162
T0GW 20800 T0CG 22+4 FWD FLIGHT DATE 10/07/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	.94	2.08	.61	-5.52	-4.02	-5.69	2
3	.61	2.24	-.21	-7.70	-4.61	-8.37	3
4	-.04	1.75	-.37	-6.36	-4.69	-7.61	4
5	1.02	1.92	.45	-6.11	-5.69	-8.62	5
6	-.04	.77	-.86	-5.11	-4.69	-7.45	6

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163
TGW 21500 TBCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	A1200SDY	61200ALT	A1200MAX	61200MIN	41160SDY	41160ALT	EVENT
1	242100.00	30510.00	272600.00	170000.00	49050.00	143000.00	1
2	223200.00	28560.00	251800.00	157000.00	-10820.00	85780.00	2
3	227300.00	38300.00	273900.00	163500.00	18220.00	130900.00	3
4	241400.00	25970.00	298500.00	190800.00	57980.00	153700.00	4
5	138900.00	23370.00	226200.00	94700.00	57530.00	170200.00	5
6	250000.00	10000.00	260000.00		-40080.00	188300.00	6
7	380000.00	20000.00	400000.00	200000.00	-544.00	.99620.00	7
8	334900.00	22070.00	357000.00	305000.00	-96.00	84880.00	8
9	290700.00	38950.00	342700.00	247900.00	15540.00	96940.00	9
10	281000.00	42190.00	354400.00	236200.00	20010.00	102300.00	10
11	286800.00	40240.00	355700.00	245300.00	21340.00	101900.00	11
12	320000.00	30000.00	353100.00	290000.00	21350.00	109900.00	12
13	271900.00	14930.00	295900.00	257000.00	-1430.00	51370.00	13
14	273200.00	63620.00	314100.00	159600.00	-18410.00	56740.00	14
15	270600.00	17520.00	302400.00	246600.00	-6730.00	54950.00	15
16	258900.00	56470.00	323200.00	198600.00	-10810.00	53610.00	16
17	245900.00	33760.00	340100.00	231000.00	8840.00	85770.00	17
18	317400.00	20130.00	344000.00	293300.00	1240.00	79960.00	18
19	305700.00	22720.00	340100.00	273900.00	81660.00	146100.00	19
20	335500.00	24020.00	363400.00	297200.00	800.00	72370.00	20
21	299200.00	30510.00	340100.00	268700.00	5712.00	76380.00	21
22	276500.00	44140.00	380300.00	231000.00	15540.00	105900.00	22

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163
TBGW 21500 TBCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
1	5712.00	89170.00	-14250.00	103800.00	160.00	106400.00	1
2	7528.00	85530.00	58130.00	157300.00	-624.00	104000.00	2
3	4344.00	104200.00	-20540.00	121100.00	-624.00	125900.00	3
4	3888.00	99180.00	-18180.00	117200.00	-3752.00	113700.00	4
5	7072.00	100500.00	-20000.00	160000.00	-8000.00	120000.00	5
6	-15660.00	115100.00	-15820.00	118000.00	2504.00	122800.00	6
7	-9760.00	99180.00	0.0	110000.00	-10010.00	110300.00	7
8	8896.00	78700.00	2280.00	98330.00	6424.00	93860.00	8
9	8896.00	102400.00	18010.00	121900.00	16580.00	121200.00	9
10	9352.00	109200.00	30000.00	130000.00	12670.00	131400.00	10
11	11180.00	108300.00	17220.00	129000.00	15020.00	132200.00	11
12	14360.00	118700.00	18790.00	140000.00	-123800.00	277300.00	12
13	9808.00	55950.00	-4012.00	59000.00	8768.00	66480.00	13
14	-15220.00	65520.00	-31540.00	69220.00	-31910.00	80570.00	14
15	-2928.00	67790.00	-52000.00	66080.00	-13920.00	84480.00	15
16	2990.00	57320.00	-15820.00	61370.00	-4525.00	68840.00	16
17	2072.00	92810.00	6992.00	101500.00	-3744.00	104000.00	17
18	10270.00	74610.00	0.0	95000.00	7984.00	89170.00	18
19	9813.00	67790.00	4632.00	84950.00	9544.00	79780.00	19
20	7082.00	69610.00	2272.00	87310.00	9552.00	84480.00	20
21	2984.00	78250.00	6208.00	92820.00	944.00	94640.00	21
22	15720.00	113700.00	13290.00	137700.00	19710.00	138400.00	22

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163
TGW 21500 TBCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
1	251000.00	14200.00	274200.00	182600.00	1048.00	85720.00	1
2	233600.00	12270.00	245800.00	187700.00	-4912.00	79760.00	2
3	217400.00	20660.00	309100.00	185200.00	-2616.00	91220.00	3
4	278100.00	19370.00	307800.00	211000.00	-328.00	94440.00	4
5	211600.00	20020.00	276800.00	170900.00	1048.00	93060.00	5
6	241300.00	20020.00	279400.00	186400.00	1512.00	91690.00	6
7	266500.00	41330.00	364600.00	217400.00	1968.00	105000.00	7
8	314900.00	22600.00	328800.00	291000.00	1968.00	73810.00	8
9	304600.00	32930.00	337500.00	248400.00	6088.00	83430.00	9
10	293000.00	36810.00	342700.00	249700.00	17550.00	93060.00	10
11	296200.00	36160.00	345300.00	252300.00	20300.00	89390.00	11
12	293000.00	32930.00	342700.00	248400.00	17090.00	93520.00	12
13	258700.00	11620.00	272900.00	243200.00	-10860.00	37130.00	13
14	262300.00	23890.00	294900.00	239400.00	-9946.00	40800.00	14
15	267100.00	17430.00	292300.00	238100.00	-10860.00	43550.00	15
16	272300.00	52300.00	325900.00	220000.00	-5362.00	36220.00	16
17	286500.00	30340.00	323300.00	225200.00	11140.00	61890.00	17
18	300700.00	21300.00	322000.00	274200.00	128.00	67390.00	18
19	306500.00	20560.00	333600.00	276800.00	-777.00	47220.00	19
20	322300.00	23250.00	359500.00	297500.00	598.00	54090.00	20
21	313000.00	29700.00	349100.00	280700.00	598.50	53180.00	21
22	317500.00	38100.00	340800.00	267800.00	11600.00	73350.00	22

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163
TOGW 21500 TBCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	49170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
1	408.00	91690.00	-5712.00	74480.00	2480.00	81310.00	1
2	856.00	84040.00	-6495.00	70560.00	9448.00	82090.00	2
3	-1384.00	98870.00	-4928.00	86240.00	17200.00	94480.00	3
4	-936.00	93930.00	2128.00	79180.00	936.00	85960.00	4
5	-6336.00	97520.00	-224.00	81540.00	-5264.00	87500.00	5
6	-7680.00	95280.00	-224.00	86240.00	-10680.00	86730.00	6
7	-9928.00	109200.00	12310.00	105000.00	-12230.00	105300.00	7
8	-4984.00	77300.00	2133.00	66640.00	-9907.00	70480.00	8
9	4008.00	88980.00	1344.00	76830.00	936.00	85960.00	9
10	2208.00	106100.00	10750.00	83100.00	2480.00	95250.00	10
11	4904.00	103400.00	13100.00	79180.00	14870.00	99900.00	11
12	4000.00	106100.00	10750.00	83100.00	3256.00	94470.00	12
13	-11720.00	33710.00	-17470.00	31360.00	-16090.00	31750.00	13
14	-13520.00	39100.00	2133.00	35280.00	-15320.00	35620.00	14
15	-22050.00	37750.00	-20600.00	37630.00	-26160.00	34070.00	15
16	6709.00	33260.00	-3354.00	34490.00	1717.00	30980.00	16
17	4460.00	67860.00	6054.00	58010.00	4814.00	57310.00	17
18	-2736.00	73250.00	6053.00	61150.00	-1392.00	68140.00	18
19	-482.00	51230.00	-1003.00	43120.00	-2930.00	49560.00	19
20	-3179.00	56630.00	-2570.00	50960.00	-6028.00	54210.00	20
21	-2729.00	52580.00	-2570.00	50960.00	-6802.00	51880.00	21
22	4456.00	80440.00	5264.00	71340.00	7904.00	75890.00	22

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163
TGW 21500 TCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
1	264.10	265.80	263.50	1.06	1.24	.99	1
2	265.70	266.40	263.90	1.18	1.30	.97	2
3	265.10	267.00	263.30	1.19	1.48	.97	3
4	264.50	266.60	263.30	1.12	1.41	.98	4
5	266.10	267.80	261.60	1.48	1.55	1.04	5
6	265.90	267.20	264.10	1.35	1.53	.98	6
7	266.60	268.40	264.60	1.11	1.48	.87	7
8	265.10	265.30	264.60	1.01	1.05	.99	8
9	265.60	266.20	264.30	1.11	1.24	1.01	9
10	264.80	266.00	264.30	1.24	1.28	.88	10
11	265.10	265.80	264.30	1.12	1.27	.90	11
12	265.80	266.00	264.60	1.07	1.31	.89	12
13	264.80	265.60	264.60	.98	1.00	.96	13
14	264.70	265.30	264.30	1.01	1.03	.96	14
15	264.70	265.30	264.30	1.01	1.03	.98	15
16	265.00	265.60	264.40	1.00	1.04	.98	16
17	264.30	265.60	263.90	.98	1.05	.94	17
18	264.80	265.30	264.60	1.01	1.04	.95	18
19	265.10	265.30	264.90	.99	1.08	.95	19
20	264.80	265.30	264.60	1.00	1.06	.94	20
21	264.70	265.80	264.40	1.04	1.12	.97	21
22	265.50	266.20	264.60	1.27	1.37	.71	22

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163
TOW 21500 TCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
1	-5.43	9.29	-37.41	-1.11	.23	-3.11	1
2	10.51	29.96	-4.86	-1.36	1.98	-4.36	2
3	-27.16	6.04	-44.25	1.65	2.65	-3.45	3
4	19.63	43.63	-.80	4.40	5.49	-3.28	4
5	-26.26	1.81	-54.98	-2.86	1.48	-5.95	5
6	28.25	57.95	.18	1.56	5.32	-4.53	6
7	-.14	.51	-.63	-4.74	6.49	-7.62	7
8	-.31	.99	-.63	-5.49	-5.03	-6.78	8
9	.99	2.13	.02	-5.24	1.31	-8.79	9
10	1.08	1.81	.02	-10.37	-2.03	-11.38	10
11	.91	1.65	.18	-3.53	-2.28	-11.46	11
12	.26	1.65	.02	-5.41	-1.19	-12.55	12
13	-.80	.34	-1.12	2.73	4.23	2.15	13
14	-.47	.67	-2.59	2.94	3.31	2.15	14
15	-.47	.67	-2.42	3.06	4.15	2.65	15
16	-.06	.34	-.63	3.61	4.40	1.40	16
17	.18	.51	-.63	3.40	3.90	2.15	17
18	.10	.67	-.47	-6.95	-4.95	-7.29	18
19	-.39	.02	-.63	-3.90	-3.28	-4.70	19
20	.26	.83	-.31	-4.99	-4.03	-5.45	20
21	-.31	.67	-1.94	-4.16	-3.78	-7.20	21
22	-1.53	.18	-2.91	-8.00	-2.53	-11.88	22

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166
TGW 20800 TBCG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	41200SDY	61200ALT	61200MAX	61200MIN	41160SDY	41160ALT	EVENT
2	304300.00	18700.00	325000.00	283700.00	2960.00	77170.00	2
3	3969.00	46410.00	72290.00	-53400.00	4767.00	60020.00	3
4	47800.00	54140.00	118700.00	-53400.00	13340.00	76710.00	4
5	247000.00	13540.00	241800.00	224400.00	2504.00	69500.00	5
6	272800.00	17400.00	291500.00	250200.00	3400.00	72200.00	6
7	309500.00	18050.00	331400.00	287600.00	3400.00	74010.00	7
8	243400.00	23850.00	332700.00	264400.00	7016.00	77620.00	8
9	245700.00	16120.00	277300.00	227000.00	8369.00	62720.00	9
10	300500.00	19340.00	322400.00	277300.00	6567.00	68140.00	10
11	241500.00	23200.00	325000.00	264400.00	11990.00	68140.00	11

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FLIGHT LOADS

CH-4A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166
TOGW 20800 TBCR 9.7 AFT FLIGHT DATE 10/06/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	3552.00	75470.00	3576.00	89720.00	5136.00	86850.00	2
3	-6718.00	59840.00	4368.00	79490.00	-7272.00	74440.00	3
4	-472.00	77700.00	16170.00	100700.00	2808.00	98490.00	4
5	7126.00	69210.00	2000.00	83420.00	5136.00	80640.00	5
6	7130.00	71890.00	1216.00	87360.00	5912.00	84520.00	6
7	6680.00	72340.00	2000.00	86580.00	7464.00	84520.00	7
8	5784.00	76810.00	5936.00	92080.00	4360.00	90730.00	8
9	4003.00	64300.00	5936.00	79490.00	3584.00	79090.00	9
10	6238.00	68320.00	5936.00	82640.00	5912.00	82970.00	10
11	3992.00	71450.00	11440.00	83420.00	4360.00	86070.00	11

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166
T6GN 20800 T8CG 9+7 AFT FLIGHT DATE 10/06/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	336100.00	41630.00	379100.00	293200.00	480.00	91070.00	2
3	21290.00	45530.00	75920.00	-56120.00	23590.00	71580.00	3
4	33640.00	63090.00	96740.00	-56120.00	2288.00	85630.00	4
5	291900.00	19520.00	316600.00	271100.00	4560.00	77020.00	5
6	317300.00	26660.00	343900.00	285400.00	5912.00	82010.00	6
7	350000.00	25000.00	380000.00	330000.00	2744.00	85180.00	7
8	340000.00	35000.00	395000.00	300000.00	11360.00	98320.00	8
9	316600.00	22120.00	342600.00	286700.00	6831.00	57540.00	9
10	357600.00	27970.00	393400.00	329600.00	3655.00	65240.00	10
11	355000.00	31880.00	398600.00	317900.00	3200.00	67500.00	11

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166
TGW 20800 TSG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-3880.00	91060.00	-3480.00	81880.00	-10970.00	83930.00	2
3	4600.00	91510.00	-1920.00	74080.00	7512.00	94710.00	3
4	-312.00	90170.00	424.00	88900.00	-184.00	83930.00	4
5	2376.00	82140.00	-1136.00	68620.00	584.00	77000.00	5
6	136.00	86150.00	-360.00	72520.00	-1728.00	79310.00	6
7	-2984.00	86600.00	-3472.00	77200.00	-6344.00	79300.00	7
8	-1200.00	106200.00	2760.00	88120.00	3664.00	92400.00	8
9	1931.00	60260.00	1211.00	52250.00	2134.00	56980.00	9
10	145.00	64730.00	-1908.00	61600.00	-1717.00	60830.00	10
11	1926.00	66510.00	-5032.00	64730.00	-10190.00	69300.00	11

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166
T6GW 2n800 TMCG 9+7 AFT FLIGHT DATE 10/06/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	265.10	265.30	264.90	.96	1.02	.95	2
3	295.60	302.00	266.80	1.86	2.35	.78	3
4	298.20	303.30	271.90	2.02	2.48	.82	4
5	265.20	265.30	265.10	1.03	1.06	1.01	5
6	265.00	265.40	264.90	1.04	1.07	1.00	6
7	265.20	265.30	265.10	.99	1.01	.93	7
8	265.30	265.40	264.40	.98	1.09	.94	8
9	265.00	265.30	264.90	1.02	1.07	.93	9
10	265.20	265.30	265.10	.98	1.02	.97	10
11	265.10	265.30	264.90	.95	1.01	.93	11

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AIRCRAFT SLP1 FLIGHT 166
TGW 20800 TACG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	.08	.48	-.17	-6.56	-6.02	-7.69	2
3	.40	1.46	-1.80	2.06	10.31	-1.27	3
4	-.17	3.74	-.82	7.48	10.31	-1.19	4
5	-1.06	-.17	-1.31	-2.65	-2.02	-4.35	5
6	-.49	.16	-.82	-5.31	-4.77	-6.52	6
7	-1.96	-1.31	-2.29	-7.98	-6.85	-8.19	7
8	.16	1.14	-.00	-8.31	-6.94	-8.60	8
9	.08	.48	-.98	-3.35	-3.02	-5.27	9
10	-.90	-.17	-1.80	-4.52	-3.85	-5.35	10
11	.65	.81	-.82	-6.39	-5.94	-7.19	11

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167
TGW 25000 TCG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	A1200SDY	61200ALT	A1200MAX	61200MIN	41160SDY	41160ALT	EVENT
4	211600.00	43840.00	345000.00	167700.00	-1199.00	56840.00	4
5	307600.00	19980.00	330200.00	265700.00	-752.00	87070.00	5
6	323700.00	55450.00	406300.00	219300.00	-12030.00	113700.00	6
7	354700.00	65760.00	434600.00	215400.00	-16090.00	123200.00	7
8	367600.00	58020.00	446900.00	247700.00	-12030.00	129900.00	8
9	301200.00	23860.00	325000.00	170300.00	-2560.00	93380.00	9
10	295400.00	77370.00	410100.00	69730.00	18650.00	141700.00	10
11	149700.00	25790.00	202500.00	82620.00	-9328.00	97440.00	11
12	164500.00	17410.00	155800.00	98100.00	-11130.00	95640.00	12
13	187100.00	15470.00	218000.00	123900.00	-4360.00	90680.00	13
15	-29230.00	24180.00	-2477.00	-53410.00	606.00	21650.00	15

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167
TGW 25000 TBCG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
4	33030.00	62940.00	-414.00	65310.00	-8842.00	58970.00	4
5	4448.00	84370.00	-6720.00	99940.00	2792.00	95420.00	5
6	-1800.00	108500.00	-19310.00	134600.00	-7288.00	125700.00	6
7	880.00	121900.00	-18520.00	141600.00	-9616.00	145100.00	7
8	-5368.00	121900.00	-12220.00	149500.00	-11170.00	143500.00	8
9	1328.00	88380.00	-7504.00	108600.00	-4192.00	100800.00	9
10	-18320.00	157100.00	16100.00	166800.00	-5744.00	169100.00	10
11	11140.00	96420.00	-20100.00	114900.00	1240.00	117100.00	11
12	11590.00	96870.00	-22460.00	112500.00	2792.00	117100.00	12
13	7576.00	90170.00	-18520.00	103900.00	-3416.00	106300.00	13
15	-6.00	20980.00	-6709.00	22820.00	-11160.00	22500.00	15

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167
T6GW 25000 T6CG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
4	323000.00	41630.00	453100.00	144800.00	-4976.00	36700.00	4
5	351600.00	27320.00	379000.00	319100.00	15860.00	112800.00	5
6	430000.00	55000.00	480000.00	270000.00	45760.00	175300.00	6
7	424500.00	85220.00	528600.00	239700.00	26740.00	190700.00	7
8	447300.00	67000.00	514300.00	276200.00	51650.00	173100.00	8
9	322400.00	34480.00	356800.00	263200.00	16760.00	150000.00	9
10	402400.00	124900.00	606700.00	94030.00	10870.00	221100.00	10
11	275000.00	18000.00	275000.00	190000.00	-10420.00	110100.00	11
12	215700.00	44880.00	290500.00	170800.00	-448.00	101900.00	12
13	211100.00	55940.00	289200.00	155200.00	-904.00	95140.00	13
15	-23390.00	32850.00	12070.00	-56240.00	-4523.00	9968.00	15

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167
TGW 25000 TCG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	49170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
4	2326.00	40210.00	447.00	37430.00	-4828.00	37730.00	4
5	-11090.00	114400.00	17590.00	110700.00	-13300.00	106300.00	5
6	-17340.00	149200.00	9792.00	143500.00	-27940.00	133200.00	6
7	-18020.00	208000.00	44100.00	171500.00	-17150.00	179400.00	7
8	-7512.00	151000.00	33970.00	152000.00	-16380.00	140100.00	8
9	-21820.00	146600.00	-2680.00	129400.00	-8688.00	134000.00	9
10	2096.00	228100.00	28510.00	219900.00	18260.00	221000.00	10
11	-4832.00	118800.00	-6576.00	102100.00	-3296.00	108600.00	11
12	3216.00	102800.00	440.00	88890.00	5176.00	92410.00	12
13	1424.00	96510.00	-8144.00	81870.00	4400.00	83940.00	13
15	2326.00	10720.00	-7351.00	9357.00	9804.00	10780.00	15

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167
TBCW 25000 TBCG 4-35 FWD FLIGHT DATE 10/06/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
4	266.60	270.40	259.00	1.04	1.20	.89	4
5	264.80	265.40	264.40	1.00	1.06	.92	5
6	264.10	270.60	262.00	1.29	1.47	.91	6
7	264.80	273.00	259.20	1.31	1.63	.85	7
8	263.30	270.90	258.40	1.31	1.68	.93	8
9	265.20	267.00	264.30	.90	1.25	.77	9
10	266.20	281.40	263.70	1.47	1.78	.69	10
11	267.70	268.90	264.30	1.28	1.36	.96	11
12	265.30	266.60	264.10	1.14	1.27	.97	12
13	264.80	267.00	263.90	1.02	1.21	.98	13
15	296.20	353.30	238.50	.99	1.01	.98	15

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167
TGW 25000 TCG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
4	-.49	.97	-.98	6.06	8.56	1.81	4
5	1.22	1.62	.48	-2.98	-2.10	-6.60	5
6	1.14	1.79	.81	-3.73	-2.10	-5.02	6
7	.48	1.46	-.49	-.73	.64	-5.19	7
8	1.62	2.28	-.82	-4.73	-2.02	-5.60	8
9	1.14	2.11	-.49	-2.10	-1.35	-13.68	9
10	.73	1.79	-.82	-5.40	5.31	-13.35	10
11	12.13	44.15	2.61	-3.31	3.48	-5.02	11
12	-15.00	.81	-45.30	1.39	3.06	-3.69	12
13	12.78	45.94	-4.73	-1.77	-.44	-4.52	13
15	-.25	-.00	-.49	-1.10	-.11	-1.52	15

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177
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EVFNT	41200SDY	61200ALT	61200MAX	61200MIN	41160SDY	41160ALT	EVENT
2	76260.00	5176.00	44030.00	49090.00	-979.50	19400.00	2
3	220600.00	12300.00	234200.00	198000.00	6680.00	76680.00	3
4	240100.00	18130.00	304100.00	236800.00	3976.00	77580.00	4
5	307300.00	20060.00	330000.00	275600.00	1720.00	77130.00	5
6	288600.00	18130.00	327400.00	269100.00	2624.00	76220.00	6
7	228400.00	20060.00	248400.00	143600.00	368.00	77580.00	7
8	219300.00	26540.00	279500.00	172000.00	4424.00	84340.00	8
9	205700.00	19420.00	271700.00	177200.00	5784.00	83900.00	9
10	197900.00	15530.00	222500.00	175900.00	4424.00	77130.00	10
11	284000.00	18770.00	305400.00	247100.00	3072.00	77580.00	11
12	292400.00	19420.00	317000.00	262700.00	2168.00	78490.00	12
13	280100.00	25250.00	325200.00	238100.00	5328.00	79840.00	13
14	278200.00	22010.00	310600.00	229000.00	4424.00	78940.00	14
15	-24700.00	5178.00	-14340.00	-31170.00	-77.50	60890.00	15
16	-22110.00	9061.00	-1398.00	-48000.00	3528.00	81640.00	16
17	-43470.00	8414.00	19310.00	-52530.00	1720.00	78940.00	17
18	80150.00	16830.00	133200.00	-52530.00	6232.00	83450.00	18
19	253000.00	21360.00	287300.00	220000.00	3520.00	75330.00	19
20	300900.00	23940.00	342900.00	269100.00	816.00	77140.00	20
21	274300.00	22660.00	340300.00	247100.00	7136.00	80740.00	21
22	310600.00	28480.00	344200.00	258800.00	4880.00	75780.00	22
23	290500.00	35600.00	326400.00	218700.00	2624.00	84350.00	23
24	244600.00	20710.00	278200.00	220000.00	5780.00	71260.00	24
25	308600.00	23950.00	342900.00	267800.00	2616.00	81640.00	25
26	302800.00	29780.00	339000.00	264000.00	9384.00	79380.00	26
27	298300.00	29130.00	330000.00	216100.00	1272.00	85700.00	27
28	218700.00	20700.00	239400.00	165600.00	5776.00	84800.00	28
29	208300.00	24590.00	249700.00	159100.00	6224.00	78030.00	29
30	188900.00	14240.00	226400.00	137100.00	11190.00	86600.00	30
31	147500.00	15540.00	213500.00	128000.00	1720.00	78940.00	31
32	129300.00	22010.00	203100.00	64620.00	4880.00	78480.00	32
33	148100.00	27830.00	190200.00	84030.00	8488.00	81190.00	33
34	235500.00	29780.00	324800.00	192800.00	6680.00	82090.00	34
35	235500.00	24590.00	330000.00	204400.00	-992.00	87060.00	35
36	324800.00	62140.00	418000.00	213500.00	12540.00	86140.00	36
37	288600.00	20710.00	320900.00	251000.00	6232.00	77130.00	37
38	297600.00	20710.00	336400.00	276900.00	2168.00	77580.00	38
39	288600.00	36240.00	330000.00	226400.00	4880.00	89310.00	39
40	246600.00	19420.00	298900.00	226400.00	3072.00	73070.00	40
41	303400.00	21360.00	327400.00	267800.00	6224.00	73520.00	41
42	280800.00	28470.00	328700.00	248400.00	816.00	78930.00	42
43	297000.00	29130.00	333900.00	226400.00	-1440.00	85700.00	43
44	241300.00	29130.00	288600.00	191500.00	-4144.00	91120.00	44
45	133200.00	23300.00	182400.00	16720.00	3072.00	111900.00	45
46	-9813.00	3237.00	-3987.00	-14340.00	-979.50	15790.00	46

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AIRCRAFT SLP1 FLIGHT 177
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EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	-4659.00	17220.00	-7599.00	20740.00	-2510.00	24310.00	2
3	-1944.00	79770.00	-3616.00	91730.00	10820.00	86270.00	3
4	776.00	78860.00	1968.00	90930.00	4544.00	87540.00	4
5	-136.00	78860.00	-2024.00	88540.00	3760.00	85490.00	5
6	1224.00	78410.00	2760.00	88540.00	4544.00	86270.00	6
7	8024.00	74330.00	11540.00	87730.00	-944.00	90190.00	7
8	-1040.00	86110.00	-1224.00	98900.00	9248.00	94110.00	8
9	-1944.00	88820.00	-3624.00	102900.00	8464.00	93330.00	9
10	-2856.00	79770.00	-2824.00	92520.00	7680.00	86270.00	10
11	320.00	77500.00	368.00	89330.00	6896.00	88620.00	11
12	768.00	80670.00	1968.00	90930.00	5328.00	87060.00	12
13	-584.00	80220.00	-424.00	91720.00	11600.00	91760.00	13
14	768.00	80670.00	1968.00	90930.00	5328.00	93330.00	14
15	-4206.00	55740.00	-6807.00	67800.00	-5656.00	71370.00	15
16	2136.00	82940.00	-4416.00	90930.00	2976.00	90980.00	16
17	-9200.00	76140.00	-16380.00	86940.00	-5648.00	94900.00	17
18	-7384.00	87020.00	-17180.00	97300.00	-944.00	101200.00	18
19	-584.00	74780.00	-424.00	86940.00	6112.00	86270.00	19
20	3488.00	77950.00	6752.00	90930.00	6896.00	88620.00	20
21	1224.00	80220.00	376.00	92520.00	11600.00	93330.00	21
22	3488.00	77040.00	3560.00	89340.00	10820.00	89410.00	22
23	9840.00	82480.00	13930.00	94920.00	1408.00	98820.00	23
24	7578.00	70250.00	3560.00	86140.00	8464.00	83920.00	24
25	4856.00	80220.00	-432.00	96510.00	4544.00	94110.00	25
26	1680.00	76140.00	2760.00	93320.00	21010.00	94900.00	26
27	14820.00	79310.00	18710.00	96500.00	6112.00	103500.00	27
28	-11010.00	85200.00	-13980.00	100500.00	2976.00	102000.00	28
29	768.00	80670.00	-3616.00	91730.00	5328.00	94900.00	29
30	-4208.00	89280.00	-10790.00	103700.00	5328.00	101200.00	30
31	-11460.00	80220.00	-13980.00	95710.00	-1728.00	95680.00	31
32	1224.00	81130.00	-7608.00	94120.00	8464.00	94900.00	32
33	1680.00	83390.00	-9200.00	95710.00	6112.00	98820.00	33
34	10740.00	83380.00	15530.00	98100.00	2976.00	95680.00	34
35	4664.00	83850.00	8344.00	97300.00	3760.00	101200.00	35
36	-4192.00	87020.00	-14780.00	104500.00	18660.00	102000.00	36
37	4856.00	77500.00	5152.00	90930.00	11600.00	90190.00	37
38	3944.00	76580.00	-2024.00	93320.00	10820.00	89410.00	38
39	1680.00	85200.00	-424.00	102900.00	10820.00	105100.00	39
40	4400.00	73420.00	8344.00	86140.00	9248.00	84700.00	40
41	2584.00	74330.00	5152.00	86140.00	9248.00	84700.00	41
42	5760.00	78400.00	11540.00	90930.00	3760.00	91760.00	42
43	11650.00	78860.00	13130.00	94120.00	1408.00	102000.00	43
44	8480.00	87470.00	12330.00	102900.00	-168.00	111400.00	44
45	21140.00	111900.00	29880.00	118800.00	7680.00	120800.00	45
46	779.50	15410.00	-3611.00	16750.00	-4862.00	17250.00	46

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AIRCRAFT SLP1 FLIGHT 177
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EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	71050.00	6034.00	86460.00	50270.00	-2883.00	14030.00	2
3	273500.00	20790.00	295700.00	250100.00	4808.00	100500.00	3
4	375000.00	17000.00	400000.00	360000.00	11140.00	118600.00	4
5	348800.00	26150.00	396300.00	335900.00	10240.00	112300.00	5
6	349400.00	28160.00	401600.00	327900.00	11600.00	117200.00	6
7	300000.00	25000.00	320000.00	180000.00	9336.00	106800.00	7
8	230000.00	15000.00	270000.00	230000.00	22910.00	163000.00	8
9	325000.00	20000.00	349300.00	101200.00	19740.00	139900.00	9
10	270200.00	21460.00	294300.00	231300.00	15220.00	120900.00	10
11	351300.00	32860.00	384200.00	295700.00	7072.00	115400.00	11
12	352700.00	44920.00	400300.00	307700.00	7976.00	116300.00	12
13	380000.00	35000.00	411100.00	320000.00	-4256.00	127700.00	13
14	372800.00	39560.00	412300.00	278200.00	-5608.00	117300.00	14
15	2661.00	8717.00	15400.00	-7397.00	-21450.00	64290.00	15
16	3332.00	13410.00	32840.00	-24830.00	-15110.00	71530.00	16
17	30000.00	11000.00	47590.00	-10000.00	-13300.00	74250.00	17
18	30000.00	10000.00	223200.00		-6064.00	87820.00	18
19	310000.00	15000.00	346600.00	290000.00	3896.00	85110.00	19
20	372100.00	33520.00	405600.00	315800.00	9328.00	110500.00	20
21	372200.00	42910.00	423100.00	294300.00	2536.00	129900.00	21
22	344100.00	41570.00	405600.00	306400.00	11590.00	112700.00	22
23	370000.00	30000.00	346300.00	250000.00	13860.00	111400.00	23
24	310000.00	15000.00	329200.00	270000.00	4808.00	79670.00	24
25	327200.00	52980.00	405600.00	274200.00	5264.00	115400.00	25
26	337200.00	41580.00	389600.00	295700.00	2088.00	95060.00	26
27	320000.00	45000.00	374800.00	255000.00	14770.00	107700.00	27
28	300000.00	20000.00	314400.00	230000.00	21560.00	136300.00	28
29	215900.00	52970.00	293000.00	162900.00	4800.00	105900.00	29
30	275000.00	15000.00	301000.00	220000.00	11140.00	129500.00	30
31	244000.00	24810.00	271500.00	187000.00	6160.00	106400.00	31
32	219900.00	22130.00	294300.00	195100.00	6160.00	98240.00	32
33	280000.00	15000.00	298400.00	200000.00	12500.00	129000.00	33
34	304400.00	52970.00	392200.00	232600.00	43280.00	161600.00	34
35	290000.00	15000.00	382800.00	230000.00	17940.00	155300.00	35
36	229300.00	85160.00	495500.00	144100.00	7072.00	111800.00	36
37	350000.00	20000.00	373500.00	280000.00	10240.00	95070.00	37
38	360000.00	25000.00	390900.00	330000.00	4808.00	93260.00	38
39	329900.00	41580.00	392200.00	262100.00	10240.00	115000.00	39
40	320000.00	25000.00	353300.00	270000.00	11590.00	94620.00	40
41	325200.00	42910.00	389600.00	282300.00	280.00	88730.00	41
42	308400.00	58340.00	381500.00	250100.00	16580.00	96880.00	42
43	332600.00	48950.00	381500.00	278200.00	16130.00	120000.00	43
44	293700.00	38220.00	349300.00	227300.00	28340.00	137600.00	44
45	300000.00	20000.00	342600.00	110000.00	-4704.00	75600.00	45
46	-31540.00	29500.00	650.00	-61040.00	-3336.00	9960.00	46

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AIRCRAFT SLP1 FLIGHT 177
TCGW 20800 TBCR 9.7 AFT FLIGHT DATE 10/20/77

EVENT	69170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-831.50	14260.00	-4793.00	19480.00	1212.00	17270.00	2
3	-9312.00	163000.00	3776.00	88820.00	-12140.00	94960.00	3
4	-15990.00	113200.00	15460.00	111400.00	-23130.00	105900.00	4
5	-17330.00	108300.00	17020.00	108300.00	-24700.00	99670.00	5
6	-9304.00	110100.00	20140.00	113000.00	-27050.00	102000.00	6
7	-3512.00	109700.00	10780.00	105200.00	1992.00	102800.00	7
8	-6192.00	154200.00	4552.00	128600.00	-16060.00	122400.00	8
9	-11980.00	124400.00	7664.00	127000.00	-15270.00	116900.00	9
10	-15550.00	114600.00	14670.00	109100.00	-16060.00	109900.00	10
11	-14890.00	114100.00	9224.00	113000.00	-22340.00	108300.00	11
12	-12870.00	113700.00	13900.00	111400.00	-25480.00	105200.00	12
13	-8416.00	133300.00	1432.00	123900.00	-16840.00	121600.00	13
14	-2624.00	122100.00	656.00	120000.00	-1936.00	106700.00	14
15	8528.00	69980.00	-28950.00	68570.00	12190.00	72190.00	15
16	11650.00	67760.00	-23490.00	72460.00	15340.00	70630.00	16
17	12990.00	69090.00	-18820.00	75580.00	14550.00	72980.00	17
18	3176.00	94060.00	-11810.00	91940.00	12180.00	87900.00	18
19	-3512.00	90040.00	-120.00	77130.00	-7432.00	83980.00	19
20	-11980.00	112800.00	13900.00	102100.00	-18420.00	107500.00	20
21	-19560.00	126600.00	656.00	120000.00	-27050.00	117700.00	21
22	-13760.00	111900.00	10780.00	102100.00	-18420.00	104400.00	22
23	-5296.00	115900.00	14680.00	102800.00	-5072.00	108300.00	23
24	3168.00	83360.00	4544.00	70900.00	-2720.00	77700.00	24
25	-12420.00	116800.00	17790.00	106000.00	-13710.00	110700.00	25
26	-1728.00	92720.00	-904.00	90380.00	-5080.00	86330.00	26
27	-1288.00	113700.00	10780.00	97390.00	-1936.00	102000.00	27
28	-15550.00	141300.00	19350.00	115300.00	2776.00	116200.00	28
29	48.00	105200.00	3776.00	91940.00	416.00	91820.00	29
30	-10200.00	135100.00	10780.00	111400.00	1200.00	114600.00	30
31	-6184.00	109700.00	-5576.00	98170.00	-1152.00	96530.00	31
32	-8856.00	94500.00	3768.00	82580.00	2768.00	78480.00	32
33	8968.00	117700.00	8440.00	115300.00	9832.00	102800.00	33
34	-6184.00	174700.00	2992.00	139500.00	14550.00	151500.00	34
35	-16440.00	144900.00	8440.00	146500.00	-2720.00	123200.00	35
36	-15550.00	112800.00	7672.00	100500.00	-22340.00	103600.00	36
37	-2176.00	102100.00	6888.00	84140.00	-5856.00	94960.00	37
38	-2176.00	91380.00	656.00	84140.00	-7432.00	83980.00	38
39	2280.00	122600.00	14680.00	107500.00	2768.00	111400.00	39
40	-3064.00	97620.00	8440.00	82580.00	-5072.00	91040.00	40
41	-7528.00	88710.00	-904.00	81030.00	-13710.00	80830.00	41
42	-2624.00	103400.00	13120.00	85700.00	-5856.00	93390.00	42
43	-5744.00	115500.00	8448.00	107500.00	-5864.00	105900.00	43
44	-9304.00	139500.00	6888.00	123100.00	-5072.00	125600.00	44
45	12540.00	77560.00	-7136.00	73230.00	14550.00	72980.00	45
46	-3060.00	10250.00	-7130.00	14020.00	2781.00	14130.00	46

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AIRCRAFT SLP1 FLIGHT 177
TGW 2n800 TCG 9.7 AFT FLIGHT DATE 10/20/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	303.40	306.30	301.40	1.01	1.02	1.00	2
3	304.30	304.40	304.10	1.02	1.06	.97	3
4	304.00	304.30	303.80	1.05	1.07	.95	4
5	303.90	304.10	303.90	.99	1.02	.96	5
6	303.90	304.10	303.80	.97	1.02	.88	6
7	304.90	305.20	303.80	1.09	1.13	.96	7
8	304.10	304.80	303.10	.96	1.21	.89	8
9	304.00	304.30	303.10	.90	1.23	.86	9
10	303.90	304.40	303.80	1.10	1.14	.93	10
11	303.90	304.10	303.80	.96	1.10	.89	11
12	304.10	304.30	303.80	.98	1.06	.96	12
13	303.90	304.10	303.50	1.00	1.08	.87	13
14	304.00	304.30	303.90	1.07	1.10	1.00	14
15	320.50	322.80	319.70	1.01	1.03	.96	15
16	320.80	324.30	315.50	1.14	1.29	.93	16
17	312.60	323.60	301.70	1.33	1.42	.82	17
18	305.00	317.90	298.80	1.27	1.51	1.04	18
19	304.00	304.30	303.40	.95	1.10	.90	19
20	304.10	304.40	303.60	.98	1.12	.84	20
21	304.30	304.50	303.80	1.03	1.14	.84	21
22	303.90	304.40	303.60	.96	1.10	.90	22
23	303.90	304.60	303.40	1.04	1.22	.80	23
24	303.90	304.40	303.80	.97	1.08	.94	24
25	304.30	304.40	303.80	.98	1.18	.88	25
26	303.80	304.10	303.50	.93	1.05	.82	26
27	304.20	304.90	303.90	.92	1.23	.88	27
28	303.30	304.60	302.60	1.07	1.24	.93	28
29	304.30	305.20	303.50	1.08	1.20	1.00	29
30	303.40	304.60	302.90	1.12	1.26	1.01	30
31	304.40	305.20	303.00	1.15	1.34	.92	31
32	305.00	305.90	303.10	1.09	1.30	.86	32
33	304.40	305.30	303.10	1.15	1.26	1.02	33
34	305.70	306.10	303.50	1.33	1.43	.89	34
35	304.50	305.20	303.30	.93	1.41	.64	35
36	304.20	308.20	303.00	1.34	1.61	.88	36
37	304.30	304.50	303.90	.94	1.17	.90	37
38	304.30	304.40	303.60	1.05	1.10	.91	38
39	304.20	304.40	303.80	1.14	1.26	1.04	39
40	304.10	304.60	303.60	1.02	1.15	.88	40
41	304.10	304.30	303.90	.93	1.05	.89	41
42	304.20	304.50	303.80	.89	1.08	.83	42
43	304.30	304.80	304.00	1.05	1.23	.88	43
44	304.20	305.30	303.60	1.23	1.31	.93	44
45	303.50	305.60	302.60	1.04	1.15	.86	45
46	324.60	332.80	297.60	1.01	1.02	1.00	46

CHECKED BY:
DATE:D210-11168-3
VOLUME 12

FLIGHT LOADS

FH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177
TODGW 20800 TRCG 9.7 AFT FLIGHT DATE 10/20/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	.12	.28	-.21	1.10	1.50	.53	2
3	.12	.44	-.87	-3.02	-2.80	-4.55	3
4	1.18	1.43	-.05	-5.60	-4.03	-5.78	4
5	.12	.77	-.37	-5.96	-5.34	-6.31	5
6	1.10	1.43	-.05	-7.40	-4.81	-7.80	6
7	-.05	3.88	-.37	.05	1.24	-2.62	7
8	-3.73	5.19	-28.87	-6.53	-.34	-10.43	8
9	-17.00	7.48	-30.02	-6.26	-2.80	-8.41	9
10	1.18	1.59	-.05	-3.50	-1.75	-4.90	10
11	.28	1.75	-.54	-5.91	-3.41	-7.01	11
12	-.78	.21	-1.19	-7.10	-6.04	-7.80	12
13	.61	1.43	-.21	-5.65	-3.41	-8.24	13
14	-.29	3.39	-1.03	-5.78	-3.50	-6.22	14
15	-1.44	-.54	-1.85	1.50	2.02	1.06	15
16	6.83	16.32	-29.20	1.28	5.01	-2.01	16
17	5.27	35.65	-22.97	2.86	8.69	-2.36	17
18	-27.31	2.41	-46.06	-8.24	-1.04	-23.41	18
19	.03	1.26	-1.19	-3.15	-2.10	-6.04	19
20	.77	1.26	-1.52	-4.33	-2.62	-8.76	20
21	.20	1.26	-.21	-4.16	-3.32	-8.24	21
22	1.18	2.24	-.21	-8.85	-6.48	-9.38	22
23	1.92	2.90	-.05	-8.76	-1.66	-10.43	23
24	2.00	2.24	.12	-4.82	-4.55	-5.43	24
25	-.13	.94	-1.69	-4.68	-4.03	-7.27	25
26	1.26	3.23	-.37	-8.54	-7.62	-10.52	26
27	-.05	.77	-.37	-10.38	-5.96	-11.57	27
28	-19.29	2.90	-49.34	-6.57	1.15	-7.45	28
29	9.37	49.57	-8.73	-4.47	-1.31	-5.08	29
30	-18.88	5.85	-59.82	-2.49	1.32	-8.32	30
31	36.39	60.05	-2.83	-2.97	.53	-4.20	31
32	26.23	50.06	-4.63	-1.79	6.23	-6.57	32
33	-25.35	7.65	-55.39	1.15	6.23	-4.64	33
34	3.06	34.66	-11.02	-3.41	-.61	-6.92	34
35	.12	1.10	-.70	-6.66	-2.97	-9.20	35
36	.53	.94	-.05	-4.68	-3.76	-5.78	36
37	-.05	.77	-.87	-4.38	-2.18	-4.73	37
38	.44	1.10	-.87	-4.95	-4.55	-5.87	38
39	-.37	2.08	-1.19	-.91	-.61	-8.76	39
40	.20	1.10	-.70	-2.45	-1.40	-4.03	40
41	1.18	1.75	.61	-6.09	-5.08	-7.53	41
42	.61	2.57	.28	-8.15	-7.27	-10.60	42
43	2.82	3.06	.94	-8.81	-6.22	-10.95	43
44	-.78	1.10	-4.14	-3.81	-.69	-4.64	44
45	.12	2.74	-2.83	1.81	6.41	-1.31	45
46	.20	.44	-.05	.67	.97	.45	46